

University of the State of New York.

THIRTY-THIRD

Fifty-Sixth

ANNUAL REGISTER

[Note Fly-Leaf]

OF THE

COLLEGE OF THE CITY

OF

NEW YORK

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UNIVERSITY OF THE STATE OF NEW YORK.



The College of the City of New York.

FORTY-SEVENTH ANNUAL REGISTER.

1895-1896.

R.

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UNIVERSITY OF THE STATE OF NEW YORK.

BOARD OF REGENTS.

1895.

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CHAUNCEY M. DEPEW, LL.D., 1877	NEW YORK.
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HENRY E. TURNER, 1881	LOWVILLE.
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HAMILTON HARRIS, LL.D., 1885.....	ALBANY.
DANIEL BEACH, LL.D., 1885.....	WATKINS.
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LEWIS A. STIMSON, M.D., 1893.....	NEW YORK.
REV. SYLVESTER MALONE, 1894.....	BROOKLYN.
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ARRANGED IN ORDER OF SENIORITY.

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President.

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Vice-President and Professor of Chemistry and Physics.

ADOLPH WERNER, PH.D.,
Professor of the German Language and Literature, and Secretary to the
Faculty.

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Professor of Applied Mathematics.

CHARLES GEORGE HERBERMANN, PH.D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

SOLOMON WOOLF, A.M.,
Professor of Descriptive Geometry and Drawing.

FITZ GERALD TISDALL, PH.D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.M.,
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WILLIAM STRATFORD, M.D., PH.D.,
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ERNEST ILGEN, A.B.,
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JOHN J. McNULTY, PH.D.,
Instructor in Moral and Intellectual Philosophy.

C. HOWARD PARMLY, M.S., E.E.,
Instructor in Applied Mathematics.

STANISLAS C. CONSTANT,
Instructor in the French Language and Literature.

AUGUST RUPP, A.B.
Instructor in the Latin Language and Literature.

JOHN ALFRED MANDEL,
Instructor in Chemistry and Physics.

T U T O R S .

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L. HEINRICH FRIEDBURG, PH.D.

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JAMES HERVEY DE GROADT.

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BENJAMIN ARAD SHELDON, PH.D.,
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JAMES TOHER,
Assistant in Office and Repository.
MICHAEL F. BONNEY,
Janitor.
JAMES REED,
Engineer.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by a vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATIONS, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second begins the following Monday.

There are two vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; and the Winter vacation, from the 25th day of December to the 2d day of January, inclusive. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before Commencement Day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Spelling, English Grammar, Arithmetic, Geography, History of the United States*, and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they came are made known to the instructors conducting the examination, but each candidate is designated, during the examination, by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examinations in June, special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the

same examination as the students of the class to which he may seek admission.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the schools which they have attended, and specifying the dates and length of time of their attendance.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty, in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 13 to 23.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course gives a special prominence to the Latin and Greek languages, but includes one modern language also in the Senior year. It leads to the degree of Bachelor of Arts. In the Scientific and Mechanical Courses, more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of Mechanical

Science during the Senior year and in making practice in the workshop and mechanical laboratory obligatory to the extent of four hours a week, on an average, during the entire course. The time for this extra work is provided, in part, by the omission of a portion of the work in Natural History and Philosophy and the omission of a third language in the Senior year, and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty. In addition to the above, a course in Elementary Mechanical Drawing is introduced in place of some of the free-hand drawing in the three lower classes.

In the Classical and Scientific Courses, workshop practice is permitted in the afternoons, as far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

In addition to the lectures and recitations indicated in the following schedule, there are exercises in oratory and declamation in the Chapel every morning, when one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

		Hours per week.
English Language.....	{ <i>Hill's Foundations of Rhetoric, Long-</i> <i>fellow's Evangeline,</i> }	3
Latin... .	<i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Geometry..	<i>Davies' Legendre,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Drawing from Flat and Round ..		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language... ..	{ <i>Hill's Foundations of Rhe'oric, Selections</i> { <i>from Irving's Sketch Book,</i> }	3
Latin	<i>as in first term,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Botany.....	<i>Kellerman,</i>	2
Free-hand Drawing from Flat and Round.....		3
Elements of Physics	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> { <i>Reader, Lang's Blue Poetry Book,</i> }	1
Latin.....	{ <i>Herbertmann's Sallust, Allen and Greenough's</i> { <i>Grammar, Prose Composition,</i> }	3
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i>	3
History	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....	<i>Woolf,</i>	3
Zoölogy... ..	<i>Lectures and Orton,</i>	2
Compositions.		

SECOND YEAR—SECOND TERM.

English.	{ <i>Nichol's English Composition, Cathcart's Literary</i> { <i>Reader, Scott's Lady of the Lake,</i> }	1
Latin.. ..	<i>Cicero's Orations, Grammar and Prose Composition,</i>	3
Greek	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>	3
History.....	<i>Myers' Modern and Freeman's General Sketch,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration. {	<i>Wheeler, Compton's Manual,</i> {	3
	<i>Loomis' Logarithms,</i> }	
Zoölogy.....	<i>as in first term,</i>	2
Shades and Shadows and Perspective.....		3
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Language and Literature.....	2
Rhetoric.....	2
Logic.....	1
Latin.....	2
Greek.....	3
History.....	2
Chemistry.....	2
Spherical Trigonometry, Surveying and Navigation.	3
Free-hand Drawing—Course of Ornament.....	3
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English Literature.....	2
Rhetoric.....	2
Logic.....	1
Latin.....	2
Greek... {	3
History.....	2
Chemistry.....	2
Analytical Geometry.....	3
Drawing—Study of the Human Form.....	3
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry....	2
Latin.....	4
Greek.....	3
Political Science*....	3
Mechanics and Acoustics.....	4
Chemical Physics.....	2
History.....	1
Anthropology, Zoölogy.....	1
Original Declamations.	

* In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

FOURTH YEAR—SECOND TERM.

	Hours per week
English Language and Literature, Prose.... { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Macaulay's and Carlyle's Essays on Johnson, Craik's English Prose,</i> }	2
Latin..... { <i>Cicero's Letters, Horace's Satires and Epistles, Prose Compositions,</i> }	4
Greek..... { <i>Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy..... { <i>Lectures and Bartlett, Newcomb,</i> }	4
Political Economy..... { <i>Lectures and Andrews' Political Economy,</i> }	5
Chemical Physics..... { <i>as in first term,</i> }	2
History..... { <i>as in first term,</i> }	1
Anthropology, Zoölogy..... { <i>as in first term,</i> }	1
Original Declamations.	

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German { <i>Sheldon's Grammar, Whitney's Reader,</i> }	
or { <i>Complete French Course based on Chardenal, Freeborn,</i> }	
French { <i>Morceaux Choisis d'Alph. Daudet,</i> }	5
or { <i>Ollendorff's Grammar, Morales' Reader, Butler's Phrases,</i> }	
Spanish { <i>Iriate's Fables, Roemer's Spanish Polyglot, and English Polyglot,</i> }	
Latin ... { <i>Crutwell's Roman Literature, Grammar, Harrington's Plautus,</i> }	3
Greek. { <i>A play of Æschylus or Sophocles or Euripides, Selections from Herodotus and Thucydides, Jevons' Greek Literature, Grammar, Arnold's Prose Compositions,</i> }	3
Chemistry..... { <i>Bloxam, Clowes' Practical Chemistry,</i> }	3
{ Psychology..... { <i>Lectures and Janes' Human Psychology,</i> }	
{ Pedagogics* { <i>Lectures,</i> }	4
Geology, Mineralogy, and Palæontology..... { <i>Lectures and Dana,</i> }	1
Æsthetics and the History of Art..... { <i>Lectures,</i> }	1
Original Declamations.	

FIFTH YEAR—SECOND TERM.

{ German. { <i>as in first term,</i> }	
or { <i>Demogeot, Textes Classiques, Vols. I, II,</i> }	
French..... { <i>as in first term,</i> }	5
or { <i>as in first term,</i> }	
Spanish..... { <i>as in first term,</i> }	
Latin..... { <i>Cicero's De Natura Deorum, Maclean's Juvenal,</i> }	3
Greek. { <i>A play of Aristophanes, Lectures on the Language and Literature, Jevons,</i> }	3
History of Philosophy, Ethics.. { <i>Lectures and Elmendorf, Janet, Ueberweg,</i> }	4
Chemistry { <i>as in first term,</i> }	3
Geology, Mineralogy, Palæontology..... { <i>as in first term,</i> }	1
Æsthetics and the History of Art..... { <i>as in first term,</i> }	1
Original Declamations.	

*Lectures on Pedagogics are delivered during the first term by the Professor of Philosophy.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.		Hours per week.
English Language.....	<i>Hill's Foundations of Rhetoric, Long-</i> <i>fellow's Evangeline,</i>	3
French.....	<i>Complete French Course, based on Chardenal,</i>	5
Geometry.....	<i>Davies' Legendre,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Drawing from Flat and Round.....		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language.	{ <i>Hill's Foundations of Rhetoric, Selections</i> }	3
	{ <i>from Irving's Sketch Book,</i> }	
French.	<i>Freeborn, Morceaux Choisis d'Alph. Daudet,</i>	5
Algebra	<i>Wentworth,</i>	5
Botany.	<i>Kellerman,</i>	2
Free-hand Drawing from Flat and Round		3
Elements of Physies.	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary Reader, Lang's Blue Poetry Book,</i>	{ 1
French	<i>Demogeot, Textes Classiques, Vol. II,</i>	3
{ German	<i>Eysenbach's Grammar,</i>	{ 2
{ or	<i>Ollendorff, Morales' Reader, Butler's Phrases,</i>	
{ Spanish	<i>Iriarte's Fables,</i>	{
History	<i>Myers' General History,</i>	3
Algebra	<i>Loomis,</i>	2
Geometry	<i>Davies' Legendre,</i>	3
Zoölogy	<i>Lectures and Orton,</i>	2
Descriptive Geometry	<i>Woolf,</i>	4
Compositions.		

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary Reader, Scott's Lady of the Lake,</i>	1
French	as in first term,	3
{ German.....	} as in first term,	2
or		
{ Spanish.....		
History.....	<i>Myers' Modern and Freeman's General Sketch,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration. {	<i>Wheeler, Loomis' Logarithms,</i>	3
	<i>Compton's Manual,</i>	
Shades, Shadows and Perspective		4
Zoölogy.....	as in first term,	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Literature.....	2
Rhetoric..... { <i>Genung's Rhetoric, and Handbook of Literary Analysis, Shakespeare's Julius Caesar,</i> }	2
Logic.....	1
French.....	2
{ German..... <i>Hauff's Karavane, Eysenbach's Grammar,</i> }	3
{ or Spanish..... <i>Iriarte's Fables, Ollendorff, Roemer's Polyglot Readers,</i> }	
History.....	2
Spherical Trigonometry, Surveying and Navigation..	3
Free-hand Drawing—Course of Ornament.....	3
Chemistry.....	2
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English Literature.....	2
Rhetoric..... { <i>Genung's Rhetoric, and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i> }	2
Logic.....	1
French.....	2
{ German..... }	3
{ or Spanish..... }	
History.....	2
Analytical Geometry.....	3
Drawing—Study of the Human Form.....	3
Chemistry.....	2
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry... { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Burke's Speech on Conciliation, Ward's English Poets,</i> }	2
{ German..... <i>Pütz's Reader, Eysenbach's Grammar,</i> }	5
{ or Spanish..... { <i>Moratin, Don Quixote, Roemer's Polyglot Reader, Morales' Reader,</i> }	
Political Science..... { <i>Lectures, and Cooley's and Kent's Constitutional Law, Woolsey's International Law,</i> }	3
Differential and Integral Calculus.....	3
Chemical Physics.....	2
History.....	1
Acoustics and Optics and Heat....	3
Anthropology, Zoölogy....	1
Original Declamations.	

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Language and Literature, Prose....	{ <i>Arnold's Manual of English Literature, Swin-</i> <i>ton's Studies in English Literature, Macau-</i> <i>lay's and Carlyle's Essays on Johnson,</i> <i>Craik's English Prose,</i>	2
{ German or { Spanish.....	{ as in first term,	5
Political Economy	<i>Lectures and Andrews' Political Economy,</i>	3
Differential and Integral Calculus	as in first term,	3
Chemical Physics.....	as in first term,	2
History.....	as in first term,	1
Acoustics and Optics and Heat.....	as in first term,	3
Anthropology, Zoölogy.....	as in first term,	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German..... or { Latin or { Spanish	{ <i>Sheldon's Grammar, Whitney's Reader,</i> <i>Grammar, Leighton's Lessons, Harkness' Cæsar,</i> <i>Herbertmann's Sallust,</i> <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's</i> <i>Fables, Roemer's Polyglot Reader,</i>	5
{ Psychology	<i>Lectures and Janes' Human Psychology,</i>	4
{ Pedagogics.....	<i>Lectures,</i>	4
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Mechanics and Astronomy.	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
{ *French	<i>Demogeot, Texts Classiques, Vol. II,</i>	1
{ or { German.....	{ as in first term,	5
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German.....	as in first term,	
{ or { Latin.....	{ <i>Grammar, Leighton's Lessons, Chace's</i> <i>Cicero, Frieze's Virgil's Æneid,</i>	5
{ or { Spanish.....	{ as in first term,	
History of Philosophy, Ethics..	<i>Lectures and Elmendorf, Janet, Ueberweg,</i>	4
Chemistry.....	as in first term,	3
Mechanics and Astronomy.....	as in first term,	5
Geology, Palæontology and Mineralogy.....	as in first term,	1
Æsthetics and the History of Art.....	as in first term,	1
{ French..... or { German.....	{ as in first term,	1
Original Declamations.		

*In the Senior year the students of the Scientific Course may, at their option, have one lesson a week in French, or in the second modern language.

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.			Hours per week.
English Language.....	{ <i>Hill's Foundations of Rhetoric, Long-</i>	}	3
	<i>fellow's Evangeline,</i>	}	
French.....	<i>Complete French Course, based on Chardenal,</i>		5
Geometry.....	<i>Davies' Legendre,</i>		5
Free-hand and Mechanical Drawing.....			3
Elements of Physics.....	<i>Lectures and Cooley,</i>		2
Workshop and Mechanical Theory.....	{ <i>Compton's First Lessons in</i>	}	5
	<i>Wood-working,</i>	}	

FIRST YEAR—SECOND TERM.

English Language.....	{ <i>Hill's Foundations of Rhetoric, Selec-</i>	}	3
	<i>tions from Irving's Sketch Book,</i>	}	
French.....	{ <i>as in first term, and Freeborn, Morceaux</i>	}	5
	<i>Choisis d'Alph. Daudet,</i>	}	
Algebra.....	<i>Wentworth,</i>		5
Free-hand and Mechanical Drawing.....			3
Elements of Physics.....	<i>as in first term,</i>		2
Workshop and Mechanical Theory.....	<i>as in first term,</i>		5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i>	}	1
	<i>Reader, Lang's Blue Poetry Book,</i>	}	
German.....	<i>Eysenbach's Grammar,</i>		4
French.....	<i>Demogeot, Textes Classiques, Vol. II,</i>		3
History.....	<i>Myers' General History,</i>		3
Algebra.....	<i>Loomis,</i>		2
Geometry.....	<i>Davies' Legendre,</i>		3
Descriptive Geometry and Mechanical Drawing.....	<i>Woolf,</i>		2
Workshop and Theory.....	<i>Compton's First Lessons in Metal Working,</i>		5
Compositions.			

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i>	}	1
	<i>Reader, Scott's Lady of the Lake,</i>	}	
German.....	<i>as in first term,</i>		4
French.....	<i>as in first term,</i>		3
History.....	<i>Myers' Modern and Freeman's General Sketch,</i>		3
Geometry.....	<i>Davies' Legendre,</i>		2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Loomis' Logarithms,</i>	}	3
	<i>Compton's Manual,</i>	}	
Shades, Shadows and Perspective, and Mechanical Drawing.....			2
Workshop and Theory.....	<i>as in first term,</i>		5
Compositions.			

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Literature. <i>Shaw's English Literature,</i>	2
Rhetoric. { <i>Genung's Rhetoric, and Handbook of Literary Analysis,</i> <i>Shakespeare's Julius Caesar,</i> }	2
French <i>Demogeot, Textes Classiques, Vol. II,</i>	2
German. <i>Hauff's Karavane, Eysenbach's Grammar,</i>	3
History. <i>Thompson's History of England,</i>	2
Spherical Trigonometry, Surveying and Navigation. <i>Wheeler, Docharty,</i>	3
Drawing (Mechanical).	3
Chemistry. <i>Clowes,</i>	2
Workshop and Theory.	4
Compositions.	

THIRD YEAR—SECOND TERM.

English Literature. <i>as in first term,</i>	2
Rhetoric. { <i>Genung's Rhetoric, and Handbook of Literary Analysis,</i> <i>Webster's Bunker Hill Orations,</i> }	2
French. <i>as in first term,</i>	2
German. <i>as in first term,</i>	3
History. <i>as in first term,</i>	2
Analytical Geometry. <i>Peck,</i>	3
Drawing (Mechanical)	3
Chemistry. <i>as in first term,</i>	2
Workshop and Theory.	4
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry. { <i>Arnold's Manual of English Literature,</i> <i>Swinton's Studies in English Literature,</i> <i>Burke's Speech on Conciliation, Ward's English Poets,</i> }	2
German. <i>Pütz's Reader, Eysenbach's Grammar,</i>	3
Political Science. { <i>Lectures, Cooley's and Kent's Constitutional Law,</i> <i>Woolsey's International Law,</i> }	3
Differential and Integral Calculus. <i>Peck,</i>	3
Chemical Physics. <i>Fiske, Pyncheon,</i>	2
History. <i>Lectures and Eliot's History of the U. S.,</i>	1
Drawing.	2
Acoustics and Optics and Heat. <i>Lectures and Bartlett,</i>	3
Anthropology, Zoölogy. <i>Lectures and Tenney,</i>	1
Workshop and Theory.	3
Original Declamations.	

FOURTH YEAR—SECOND TERM.

	Hours per week.
English Language and Literature, Prose.... { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Macaulay's and Carlyle's Essays on Johnson, Craik's English Prose,</i> }	2
German.....	as in first term, 3
Political Economy.....	<i>Lectures and Andrews' Political Economy,</i> 3
Differential and Integral Calculus.....	as in first term, 3
Chemical Physics.	as in first term, 2
History.....	as in first term, 1
Acoustics and Optics and Heat.....	as in first term, 3
Anthropology, Zoölogy....	as in first term, 1
Workshop and Theory.....	3
Original Declamations.	

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers.....		5
{ Psychology.....	<i>Lectures and Janes' Human Psychology, }</i>	4
{ Pedagogics .....			Lectures, }
Chemistry.....	<i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Workshop, Drawing and Theory.....		4
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers.....	5
History of Philosophy, Ethics... <i>Lectures and Elmendorf, Janet, Ueberweg,</i>	4
Chemistry.....	as in first term, 3
Mechanics and Astronomy.....	as in first term, 5
Geology and Palæontology, Mineralogy.....	as in first term, 1
Æsthetics and the History of Art.....	as in first term, 1
Workshop, Drawing and Theory.....	4
Original Declamations.	

SCHEDULE

EXHIBITING THE SUBJECTS OF STUDY, TOGETHER WITH THE NUMBER OF WEEKLY RECITATIONS
PER CLASS AND TERM IN EACH SUBJECT.

	SUB-FRESH- MAN CLASS.		FRESHMAN CLASS.		SOPHOMORE CLASS.		JUNIOR CLASS.		SENIOR CLASS.	
	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.
LANGUAGES.....	3	3	1	1	2	2	2	2	..	3
	5	5	3	3	2	2	4	4	3	3
	3	3	3	3	3	3	3	3
	5	5
	5	5	3	3	2	2	..	..	{ 5 5 }	
	2	2	3	3	5	5		
	5	5

	3	3	..	..	..	..	..	..
	1	1	..	..
HISTORY.....

PHILOSOPHY.....

PURE MATHEMATICS...	Algebra.....	5	5	2	..	..	..	..	..	..	..	..
	Geometry.....	..	..	3	..	..	..	..	..	..	..	..
	Trigonometry, etc.....	..	..	3	3	..	..	..	..	..	..	..
	Descriptive Geometry.....	..	..	3 or 4	..	..	..	..	..	..	..	..
MIXED MATHEMATICS...	Analytical Geometry, etc.....	..	..	..	..	3	..	3	3 or 4	3	3	..
	Differential and Integral Calculus.....	..	..	..	..	..	..	..	3 or 4	3 or 4	..	..
	Acoustics and Optics.....	..	..	..	..	..	..	..	..	..	..	..
	Spherical Astronomy and Analytical Mechanics.....	..	..	..	..	..	..	..	..	0 or 5	0 or 5	0 or 5
DRAWING.....	Free-hand Drawing from Flat and Round Perspective, Shades and Shadows.....	3	3	..	..	..	..	..	..	..	..	..
	Free-hand Drawing; Course of Ornament.....	..	..	..	3	..	..	..	..	..	..	..
	Study of the Human Form.....	..	2	..	..	..	3	..	..	1	1	1
	Lectures on Physics.....	2	2	..	..	..	..	..	..	..	..	..
PHYSICS AND CHEMISTRY.	Inorganic Chemistry, Practical and Analytical.....	..	..	..	2	..	..	..	..	3	3	3
	Chemical Physics.....	..	..	..	..	..	2	..	..	..	..	..
	Organic, Practical and Applied Chemistry.....	..	..	..	..	..	..	2	2	..	3	3
	Anatomy†.....	0 or 2	..	..	..	..	..	..	..	..	..	..
NATURAL SCIENCE.	Botany†.....	..	0 or 2	..	..	..	..	..	..	..	..	..
	Zoology†.....	..	..	0 or 2	..	0 or 2	0 or 2	..	..	..	..	..
	Anthropology and Zoology.....	..	..	..	..	..	..	1	1	..	..	1
	Geology.....	..	..	..	..	..	..	..	..	1	1	1

* The order in which these languages are studied is optional with the student.

† Omitted from Mechanical Course.

DEPARTMENTS OF STUDY.

The following statements are intended to explain the course of study in the several departments and the methods pursued :

ENGLISH LANGUAGE AND LITERATURE.

The course in English Language and Literature aims, in the first place, to stimulate and develop the students' power of expression and to enable them to say what they have to say clearly and correctly ; secondly, to guide them in the study of the history of English and American literature, not only as a chronological outline of authors and their works, but also as a critical estimate of their writings ; and, lastly, through the critical reading of some of the masterpieces of our language, to give the students a knowledge of literature itself and also the ability to appreciate it.

That students should be able to express their thoughts in writing, so that they will be clearly understood by others, is of the utmost importance. It is not too much to say that the power of exact expression comes only by systematic practice and training in the art of composition. To secure this power three things are necessary : frequent practice in composition, helpful criticism by the instructor, and, finally, intelligent remodeling of the work by the writers themselves. Every student, therefore, is required to write an essay on some prescribed literary subject, at least once in each term ; each essay is read in class where its precision of language and rhetorical construction are criticised by the class and the instructor ; the corrections are noted by the student, and afterwards the essay is rewritten in whole or in part, as may be necessary. In addition, essays on subjects that have been studied are written once a month by all the students. These compositions test the students' comprehension of the work done in class ; moreover, the subject matter of these essays having been previously discussed, they afford the students excellent training in the art of composition, without drawing too largely or severely on their creative powers.

To aid the students in the work of composition, Hill's *Foundations of Rhetoric* is studied in the Sub-Freshman year ; Nichol's

English Composition, in the Freshman year; and Genung's *Rhetoric* and *Handbook of Rhetorical Analysis*, in the Sophomore year.

A more important means of assuring a true appreciation of literary form is the critical reading of the works of our best English and American authors. The knowledge of rhetorical rules can be made profitable only through the study of the masterpieces of our language. No one can write well in any language until he is thoroughly familiar with its literature as well as with its grammar. In the careful reading of the English and American classics will be found one of the best means of acquiring an accurate and practical knowledge of the English language. By the critical study of our great models students cannot fail to enlarge their vocabulary, to cultivate a nice sense of the meaning and force of words, to form a critical judgment, to refine their taste, and to obtain an insight into the development and growth of the English language and literature, that can be obtained in no other way. In order that the students may keep permanently before them models of literary form, prose and poetical extracts from the best authors are memorized in the four lower classes.

The course in English Literature is not, however, a study in literary analysis alone. Through sympathetic and intelligent reading and discussion of single works of our masters of prose and poetry, the course aims to foster in the students a love for reading, and to create in them a taste for the purest and highest in literature.

In the Sub-Freshman Class, Longfellow's *Evangeline* and selections from Irving's *Sketch Book* are critically read and studied; in the Freshman year, Lang's *Blue Poetry Book* and Scott's *Lady of the Lake*; in the Sophomore year, Shakespeare's *Julius Cæsar* and Webster's *Bunker Hill Orations*; in the Junior year, Burke's *Speech on Conciliation* and Macaulay's and Carlyle's *Essays on Johnson*.

The history of English and American literature is begun in the Freshman and completed in the Sophomore year. Shakespeare is the first author taken up. From Shakespeare, the stu-

dents pass to the consideration of the writers of the nineteenth century. When this period has been discussed, the literature of the preceding centuries is studied. In connection with the biographical and historical facts of the history of English and American literature, illustrative extracts from the works of the writers examined are read by the students; in almost every instance these illustrative selections are complete pieces. In this way they may see for themselves the character and style of the different writers; they thus become more interested in their work and are encouraged to study more thoroughly the great masterpieces of English literature.

To attain these ends, Cathcart's *Literary Reader* is used in the Freshman year; Shaw's *Manual of English and American Literature* and Genung's *Handbook*, in the Sophomore year; Arnold's *Manual of English Literature*, Swinton's *Studies in English Literature*, Ward's *English Poets* and Craik's *English Prose*, in the Junior year.

Recognizing that the "reading of great books is a faculty to be acquired, not a natural gift," and that the object of reading is not to read everything that even the great writers have written, home courses in reading, both in prose and poetry, are outlined for the students; and in order that the books recommended may be understood and appreciated when read, special attention is called in advance to the plan and characteristic features of each work included in the course.

Original themes are required from the Juniors and Seniors during both terms. Each theme is criticised and corrected by the Professor, in the presence of the student, and, when rewritten, is declaimed from the Chapel stage.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years' course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students in this College are enabled to cover so much ground in five years is due to several causes. In the first place, they begin the study at a much more advanced

age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence, two years are devoted wholly to the study of the prose writers, on which the syntax is based (*Cæsar, Cicero, Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study of Latin a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. While grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence, the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography and the general rules of syntax, complete a course of fifty-five lessons in *White's Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year, Etymology and the general rules of

Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also, there are read portions of a tragedy and an entire comedy. Lectures are given on the drama and theater, and on the Greek language and literature, and students are informed, from time to time, of the results of archæological research in Greece and countries under ancient Greek influences.

FRENCH LANGUAGE AND LITERATURE.

The *Complete French Course*, based on Chardenal, is the first book for the Sub-Freshman year. One lesson a day is studied during the first term, and the exercises attached to it are written at home. During the second term, two lessons of the same book are studied every other day, and selections from the exercises are written. A dictation in French and exercises of selected English sentences are given weekly in the class-room during the second term. The study of Chardenal is completed in the second term.

A systematic study of the conjugations is taken up early and continued until completed.

Freeborn's *Morceaux Choisis d' Alph. Daudet* are read in the text and translated into English every other day during the second term.

The teaching is, as far as practicable, carried on in French.

In the Freshman year, the work consists of oral translation from the French, based upon logical and grammatical analysis. The text-book is Demogeot, *Textes Classiques*, vol. II. A dictation in French is given weekly in the class-room during the second term.

In the Sophomore year, the time is devoted to translations into English; a lecture in French, by the instructor, on the piece translated, and notes in French written at home and rendered to the instructor on the following recitation day.

Every fourth day the students give in French oral *résumés* of the last three lessons.

The text-book is Demogeot, *Textes Classiques*, vol. I.

Extracts from La Fontaine, Molière, Corneille, and Racine are read critically.

For students of the Classical Course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The text-books used in this department are the *Complete French Course*, based on Chardenal, and Freeborn's *Morceaux Choisis d' Alph. Daudet*; Demogeot, *Textes Classiques*, vols. I and II.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's *Grammar* is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the Sophomore and Junior years, selections in prose and verse are read. Those students who choose to continue in this department through the Senior year read in Goethe, also a comedy and

a scientific essay ; they are exercised in composition and conversation.

In the one-year Senior course, also, the work proceeds in the direction above stated ; but, of necessity, is less extended.

In both courses poetry is memorized, and prose is so learnt that the students can produce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is carried on in all courses.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from Butler's *Phrase Book*, and the reading of selections in prose and verse from Iriarte and Morales' *Reader*.

In the Sophomore year, Quintana's *Lives* are read, exercises in dictation are added, and Sales' *Grammar* and Pizaro's *Phrases* are used.

The Juniors review the grammar by the study of Sales' work ; they translate Moratin's comedy, *El si de las Niñas*, and selections from *Don Quijote* ; make oral and written translations of English selections of various styles ; write Spanish compositions ; and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course ; which is, however, in a degree compensated for by the greater maturity and better preparation of the class.

HISTORY.

The History Course extends through the Freshman, Sophomore and Junior years in all the courses. The Freshman Class study Myers' *General and Modern History* and Freeman's *General Sketch*, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore Class, by the thorough study of English History. Thompson's *History* is taken as a guide, but the instructors add

largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year, lectures are delivered upon American topics, the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; the new order of things; history of American politics, etc. Students are called upon to discuss the subjects in the class-room, where they also become familiar with the standard, and, as far as possible, original authorities on American history. Eliot's *History of the United States* is used as a reference book.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 B. C. to the Christian Era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the Class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a discipline preparatory to the whole course. Jevons' *Lessons* is used as a text-book, and the students are taught to apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of Political and Social Science. The first term is devoted to political science. A course of lectures is given, indicating the founda-

tions of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. American constitutional law is studied in *Cooley's* and *Kent's* expositions, with comparisons of our own and other systems. A brief view of international law is given, Woolsey's *Manual* being used as a basis. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Andrews' *Text-Book* is used with extended comments, and lectures are given on leading points in the history and theory of political economy; and in applied political economy such questions as those of money and of finance in the United States are examined.

The Senior year studies are, Psychology Philosophy and Ethics. The principles of Pedagogics, as based in psychology, are treated of, in connection with psychology, but in a separate course of lectures on theory of teaching.

The instruction of the year is chiefly by lectures, with selections from manuals and with directions for reading. In Psychology, the treatment is descriptive and explanatory, due attention being given to Physiological Psychology, and large reference made to the results of recent experimental work; and it is aimed, without dwelling on philosophical questions, to make the study lead up to philosophy.

The subjects of the second term are History of Philosophy and Ethics. The philosophical doctrines and systems of most historic importance are, as far as time permits, examined, and the development of speculative thought traced, to aid in elucidating the principal questions now discussed by philosophers. Especial consideration is given to political, educational and ethical theories, and select topics in practical ethics are discussed, with the aid of Janet's *Manual*.

Theses on assigned topics in the course are prepared and discussed by students during the Junior and Senior years.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study Davies' *Legendre* through the fifth book, with additional problems and theorems from the appendix and elsewhere, and Wentworth's *Algebra* from the beginning to Equations of the Second Degree.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using Wheeler's *Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from Loomis' *Treatise*; and are practiced in logarithmic computation, using Compton's *Manual*.

In the first term the Sophomore Class go through Wheeler's *Spherical Trigonometry*, and are taught *Surveying and Navigation* orally, and in the second term study Peck's *Analytical Geometry*, embracing the Geometry of Three Dimensions as far as Surfaces of Revolution.

Mathematics is not obligatory upon Classical students beyond the Sophomore year; but such as may elect to pursue the study join the students of the Scientific and Mechanical Courses in the study of Calculus, which is the work of the Junior year. Peck's *Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

APPLIED MATHEMATICS.

In the Scientific Course, the studies of Pure and Applied Mathematics afford the student such intellectual training and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy as to lessen materially the time that will be required for the study of a specialty in any of the schools of civil, mechanical or mining engineering. A graduate of good standing in the Scientific or the Mechanical Course will be able to master in two years, or less, the studies usually pursued in such schools.

In the Scientific and Mechanical Courses, in the Junior year, while the student is acquiring, in the department of Pure Mathematics, the knowledge of the Calculus necessary for the study of

Analytical Mechanics, he attends recitations and lectures on Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of those subjects. Near the end of the Junior year the study of Bartlett's *Analytical Mechanics* is commenced, and it is continued during the first term of the Senior year. Much additional matter is given in the way of illustrations and problems applying the principles taught to practical ends. In the second term of the Senior year the subject taught is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens; to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the application of astronomy to the uses of the surveyor and the navigator.

In the Mechanical Course further application is made of the principles of mechanics to the study of the forms and functions of the parts of engines, the theory of prime movers, and the construction, testing and management of engines.

The scope of the instruction in the Classical Course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little Mathematical Analysis. Of the four hours per week allotted in the Junior year to this department, generally about three are given to lectures and one to recitations.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade.

The first is open to the students of the Sophomore Class. Two hours a week are spent in the Laboratory. Clowes' *Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a course in qualitative analysis.

The advanced grade is for the students of the Senior Class. Three hours a week are given to the study; one lecture on Gen-

eral Chemistry, and two hours in the Laboratory. *Bloxam's* is used as a text-book of chemistry, while Clowes' *Practical Chemistry* serves to complete the study of qualitative analysis. The laboratory instruction for the Senior Class follows a prepared synopsis. Through the study of Chemical Physics, described below, the students of the advanced Chemical Course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The equipment of the Chemical Laboratory is very complete ; its arrangement, as well as that of the desks, offers many facilities. The Lecture-room, which adjoins the Laboratory, is provided with the necessary conveniences for lecture illustration. There is a collection of the ores and other natural specimens sufficient to illustrate the chief forms in which the elements occur. The College owns a set of charts, made by a draughtsman especially employed.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are fully illustrated by experiments and charts. The students are required to take notes ; they are marked upon the correctness and fullness of these notes. Cooley's *Physics* is given as a text-book for home study.

The students of the Junior Class listen to one lecture a week, and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is provided with instruments. There are about 2,300 pieces of Physical Apparatus. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-

room which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscope and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases, as well as for the determination of the candle-power of one.

The College dynamo machines, four in number, supply the electric currents necessary for experimentation and lantern projection.

Pyncheon's *Chemical Physics* and Fiske's *Electrical Engineering* are used as the text-books for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows:

SUB-FRESHMAN—	{ Anatomy. Botany. }	Two hours per week..	{ Lectures. Text-book (<i>Kellerman</i>).
FRESHMAN—	Zoölogy.	Two hours per week..	{ Text-book (<i>Orton</i>) and Lectures.
JUNIOR—	Anthropology.	One hour per week.	Lectures and <i>Orton</i> .
SENIOR—	{ Mineralogy. Palæontology. Geology. }	{ One hour per week..	{ Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself* the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

Last year the College purchased for this department several new instruments, including a large heliostat, a microtome and microscopes.

Chief among the gifts was that of Mr. Wm. F. Decker, '85, who gave to the College a valuable collection of Natural History

specimens, made by his father, John J. Decker. The gift included a number of handsome cases.

MUSEUM OF NATURAL HISTORY.

The collections contain 10,500 specimens: 550 plants, 750 vertebrates, 3,000 invertebrates, 2,000 minerals, and 2,100 minerals, rocks and fossils. The card catalogue of the specimens is progressing.

A large number of specimens were added to the collections during the past year, and many objects for instruction in the several courses.

In addition to the material purchased by the College, the following gifts have been made :

1. Birds' Eggs (Collection of).....Mr. Bashford Dean.
2. Birds of State of N. Y. (100 Spec.)..Mr. Louis A. Zerega.
3. Brush-making Materials.....Messrs. F. W. Devoe & Co.
4. Butterflies and Moths (500 Spec.) ..Mr. H. J. Muller.
5. Conchological Specimens.....Smithsonian Institution.
6. " " { Mr. Townsend Harris.
 { Pres. A. S. Webb.
 { Prof. R. O. Doremus.
7. Corals of Florida (Collection of)...Lieut.-Col. Walter McFarland, U. S. A.
8. Craniological Specimens.....Smithsonian Institution.
9. Entomological Collection.....Mr. Bashford Dean.
10. Fishes (500 Spec.), largely South } Commissioner E. G. Blackford.
 American }
11. Fossils and Reptiles Prof. S. Woolf.
12. Fossils and Minerals of "Bad } Prof. W. Stratford.
 Lands." }
13. Fossils of S. Carolina (Collection of).Mr. William T. Rodenbach.
14. General Natural History Collection.Mr. Wm. F. Decker.
15. Grain (Specimens of).....New York Produce Exchange.
 { Pres. Alex. S. Webb.
 { Nathaniel Jarvis, Jr.
 { H. R. Remsen.
16. Ichthyosaurus Communis { Edward Cooper.
 { Jackson Steward.
 { William Wood.
 { David Dudley Field.
17. Leathers (Fancy).....Messrs. Tiffany & Co.
18. Linens, Silks, Furs, Cottons....." E. J. Denning & Co.
19. Miscellaneous Textile Fabrics....." Claffin & Co.
20. Set of Whaling Harpoons (11 Spec.)Mr. Bashford Dean.

21. S. American Woods (60 Specimens). Messrs. T. D. & L. Hirsch.
22. Unios of the United States Dr. Isaac Lea, Philadelphia.
23. Vegetable Fibers. Mr. J. H. Hollis, Cotton Exchange.
24. Wading Birds (25 Specimens).... }
 Game Fishes of Florida. } Mr. W. H. Chesebrough.
25. Woods (Foreign and Fancy)..... Messrs. J. L. Daniels & Co.
26. Woolen Fabrics “ Arnold, Constable & Co.
27. Wools. “ Mangers & Avery.

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in Drawing in outline from the flat and the round, in surface shading and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head from the flat.

The Freshman Class is instructed in Descriptive Geometry, the Professor's *Elements of Descriptive Geometry* being used as a book of reference. The instructor lectures and demonstrates at the blackboard; and the students solve every problem graphically in their drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and practical applications are made. Practice in the elements of tinting is also afforded from time to time. In the second term, the subjects pursued are Shades and Shadows and Perspective. Shadows are determined in artificial and natural light; the general principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade in charcoal, crayon, etc.

The professor delivers to the Senior Class a series of lectures on *Æsthetics*, and the History of Art and the several arts.

In the Mechanical Course the work of the other courses is modified by the introduction of Elementary Mechanical Drawing. Students are required to take notes of lectures and make free-hand sketches in the class-room, which are afterwards to be elaborated into finished drawings to a scale. Occasional tasks for home work are likewise given.

In the Sub-Freshman Class one-half the time is devoted to

free-hand work, similar in character to that of the other collegiate courses. The Mechanical Drawing for the same period consists of lettering, simple working drawings, wood joints, journals, rivets, bolts, keys, simple couplings, cranks, etc.

In the Freshman Class the work is confined to theoretical drawing, similar to that taught in the other collegiate courses.

In the Sophomore Class the entire time is employed in Mechanical Drawing. The various points of the steam engine are explained, and the students are required to make finished drawings in *ink*, in the class-room. For that purpose sketches and models are freely used.

The Junior Class takes up tinting and shading, together with the study of the remaining unexplained parts of machinery, including gear wheels, etc.

The slide valve and link motion are studied theoretically in the Senior Class. In addition to this, the students are taught elementary designing and proportioning of parts of engines.

The casts belonging to this department are very fine, most of them having been taken from early moulds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best preserved metopes; the heroic statues of Theseus and Cephissus; a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the Class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early Christian and Renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. East Indian architecture is likewise illustrated by a number of photographs lately purchased by the College.

THE LIBRARY.

The Library of the College contains 29,740 volumes. These are distributed in classes, as follows :

Theology.	861	Spanish Literature.....	198
Philosophy.....	1,382	Italian “	75
Law.....	459	Latin “	659
Mathematics.....	471	Greek “	683
Physics.....	2,174	Classical Philology.....	143
Natural History.	1,251	Literature in General.	234
Medicine.....	273	Linguistics.....	797
History of Science.....	56	Fine Arts.....	1,011
History.....	6,554	Bibliography.....	205
Biography	1,860	Works of Reference.....	688
Voyages and Travels.....	1,157	Periodicals....	3,525
English Literature.....	2,989	Unclassified.....	390
German “	821		
French “	824	Total.....	29,740

Books may be taken from the Library by the students as well as the instructors; by the Alumni upon a deposit of ten dollars; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these, the first, the wood-working room, contains fifteen double benches, with closets and tools, for a class of thirty. The second, for forge and vise-work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise tools. It has accommodations for a class of thirty pupils. The third, or lathe room, contains twenty-six speed lathes, for wood or metal turning, four engine lathes, a planer, a circular saw and two testing machines, affording, like the others, accommodations for thirty

students. The fourth contains a horizontal steam engine of 25 horse-power, which drives the lathes and grindstones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. There is in an adjoining room a gas engine of 8 horse-power to take the place of the steam engine when less power is required, and also a small vertical steam engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The course of study in the workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows :

First Year—Theory and use of wood-working tools ; properties, defects, treatment and preservation of timbers ; use of testing machine in the testing of timber.

Second Year—Theory and use of metal-working tools ; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing ; use of the speed lathe ; study of the parts of the steam engine from drawings, models, descriptions and examination of engine.

Fourth Year—Use of the engine lathe ; screw-cutting, boring, turning, facing ; measures of precision ; scraping, finishing and fitting.

Fifth Year—Strength of materials ; proportioning of parts of engines ; managing and testing of engines.

DISCIPLINE.

Every student shall conduct himself according to the rules of good manners, good morals and manly propriety ; shall give punctual and constant attention to all his duties ; shall use the property of the institution with care and economy, and restore the same when required. Violations of the rules of the College are visited with punishment, which varies according to the gravity of the offense, from demerit marks and formal admonition to suspension by direction of the President, and dismissal by vote

of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit marks in one term, or 175 in one academic year, must leave the College.

EXTRACT FROM THE RULES OF THE FACULTY OF THE COLLEGE OF
THE CITY OF NEW YORK.

1. Every periodical or paper published by students, and sold or distributed by them within the College, shall have printed upon it the name of the Managing Editor, who shall be a student.

2. No such periodical or paper shall be sold or distributed in this College until the President shall be satisfied that the foregoing regulation has been complied with.

3. It shall be the duty of the Managing Editor to exclude from the columns of the College publication controlled by him all discourteous remarks, and all remarks whatsoever on the Officers or Management of the College.

4. For any infraction of the preceding rules the Managing Editor shall be held responsible.

5. No periodical or paper, whose Managing Editor has violated the preceding rules, shall be sold or distributed in the College while he remains the Editor.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the schedule of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It

is conducted mainly in writing, so that all the students in the class are examined at the same time and subjected to the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same until he has given to the President a sufficient explanation of his absence, and to the instructor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass, on examination, in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, deter-

mined by his merit marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred ; one-half of this maximum is for the term work, and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct mark of each student is determined by deducting from such maximum all his demerit marks.

On the Merit Roll the students are classified Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the fortieth Thursday after the opening of the first term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.

2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.

3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.

4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second ; the remaining honorary orations shall be numbered according to the rank of the students.

5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths of the maximum in Oratory (Composition and Delivery) during the Senior year,

their names shall be entered on the programme, marked "Excused," and suitable substitutes, in order of rank, shall be appointed.

6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

*"Extracts from the Minutes of the Faculty of
December 22, 1884."*

1. Early in January of each year the students of the Senior Class shall hand to the President an original composition, written as a Graduation thesis, which shall contain not less than six hundred words, nor more than seven hundred and fifty words; these shall be examined by the Professor of the English Language and Literature, and marked on a scale of 50.

2. Any student who shall receive less than 60 per cent. shall be rated deficient, and such deficiency shall be counted a deficiency in one of the branches of study in determining the student's graduation.

3. An Honor-man not otherwise disqualified shall deliver his Graduation thesis on Commencement, if, in the opinion of the President and the Professor of the English Language and Literature, the merits of the composition warrant public presentation; otherwise the author shall not speak at Commencement, but be marked "Excused" on the programme of Commencement exercises, and a suitable substitute shall be provided.

4. No oration shall be delivered at Commencement, unless it have been duly rehearsed before the Professor of the English Language and Literature, or, in case the Professor request it, before some other officer of the College, designated by the President. Each oration shall be finally rehearsed at least once in the College Chapel and once in the hall where the Commencement exercises are to take place; and no student shall be allowed to speak at the Commencement unless his declamation be satisfactory to the officer before whom he has rehearsed, nor unless he have acquired such command of his oration as to be able to speak it without the aid of a prompter.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together; and in 1856 the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, Esq., by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres; and in 1856 the donor authorized the provision of a silver medal for the second scholar.

THE WARD MEDALS.

In 1853, Augustus H. Ward, Esq., established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are: Chemistry, Natural History, Natural Philosophy, Moral Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Botany.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, Esq., by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Com-

position in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

THE CLAFLIN MEDALS.

In 1871, John Claflin, Esq., by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows :

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek ; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin ; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department ; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION ; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College and selected by the donor.

POETRY.

For thirty-eight years the late Professor Roemer provided anonymously a prize for the best declamation of poetry. In

recognition of this fact and in honor of his memory and the name, the ROEMER PRIZE was established by officers of the College and several graduates. The trustees of the fund (of \$300) are the Chairman of the Executive Committee, the President of the Associate Alumni, and Russell Sturgis, Ph.D. The competitors are a Senior, a Junior and a Sophomore, selected from and by their several classes, in the same manner as the competitors for the prize of the President of the Board of Education. The declamations are delivered on the same occasion and judged by the same judges.

THE KELLY PRIZES.

In 1868, James Kelly, Esq., by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clionian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

THE F. W. DEVOE & CO. PRIZES.

In 1885, Messrs. F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees and the Professor of Applied Mathematics, to the student of greatest merit, in the first and second years, respectively, of the Workshop Course. Students of the Classical and Scientific Courses may compete. The merits of the competitors

are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

THE KETCHUM PRIZES.

In May, 1891, Alexander P. Ketchum, Esq., put into the hands of a committee, composed of the Chairman of the Board of Trustees, the President of the College and the Professor of Moral and Intellectual Philosophy, a sum of money sufficient to secure to the Department of Philosophy funds to provide annually four prizes, to be awarded to those students of the Senior and Junior Classes giving the best written evidence of proficiency in Philosophy and Political Economy at the June examinations in those subjects.

THE BENNETT PRIZE IN POLITICAL SCIENCE.

Mr. James Gordon Bennett, on May 11, 1893, offered \$1,000 to the Trustees of the College for the endowment of an annual prize under the following terms :

“The amount to be invested and kept invested, and the income thereof, or a medal of equal value, to be given annually upon Commencement Day to the undergraduate member of the Senior Class who shall have taken the prescribed course of the institution in Political Science and English Literature, and who shall have prepared the best essay in English prose upon some subject of American governmental domestic or foreign policy of contemporaneous interest.

“The subjects to be selected and announced, the rules of competition formulated, and the decision rendered by the Faculty of the College.”

Mr. Bennett's gift was accepted by the Trustees.

SERENA MASON CARNES PRIZE.

The Board of Trustees of the College of the City of New York accepted a prize of one hundred dollars, to be known as the SERENA MASON CARNES PRIZE, given by Mr. Mason Carnes, for the best translation of one or more scenes, chosen by the Professors of the French, German and Spanish Languages and Literature, by the students of the College above the Freshman Class.

CLASSICAL SCHOLARSHIPS.

This College being, through the action of its officers and Alumni, associated with eighteen of the leading universities and colleges in the United States, in support of the American School of Classical Studies at Athens, the school is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical Course; that of *Bachelor of Sciences* on those who have completed either of the Scientific courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences, on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.
2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.
3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in forty-one classes, from 1853 to 1894, 1,629 men, of whom about 1,350 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held

on the day after the Commencement, at the College building.
The officers for the present year are :

<i>President</i>	CHARLES E. LYDECKER, '71.
<i>Vice-President</i>	HENRY P. O'NEIL, '60.
<i>Secretary</i>	JOHN WELDON, JR., '61.
<i>Treasurer</i>	CHAS. MURRAY, '84.
<i>Historian</i>	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857 the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

JOHN HARDY, '53	265 Broadway.
ALFRED G. COMPTON, '53	At the College.
CHARLES L. HOLT, '53.....	188 Front Street.
EVERETT P. WHEELER, '56	45 William Street.
JOHN R. SIM, '68	At the College.

LITERARY SOCIETIES.

Two Literary Societies, the Clionian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clionian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

June 20, 1895.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned :

THE PELL MEDALS.

First, Gold	EVERETT B. HEYMANN.....	Senior.
Second, Silver.....	WALTER M. WECHSLER.....	Senior.

THE CROMWELL MEDALS.

First, Gold	AARON B. SALANT.....	Sophomore.
Second, Certificate.....	FREDERICK SCHWED.....	Sophomore.
Third, Certificate.....	ARTHUR J. STERN	Sophomore.

THE WARD MEDALS.

Chemistry	EVERETT B. HEYMANN.....	Senior.
Natural History.....	BAYARD S. CAIRNS.....	Senior.
Natural Philosophy	WALTER M. WECHSLER	Senior.
Moral Philosophy	EVERETT B. HEYMANN.....	Senior.
Political Science.....	EDWARD KASNER	Junior.
English.....	MORRIS C. VALENTINE.....	Junior.
Greek	EVERETT B. HEYMANN.....	Senior.
Latin	EVERETT B. HEYMANN.....	Senior.
French	ALFRED COMPTON.....	Sophomore.
Spanish.....	MAXIMILLIAN J. ADLER.....	Senior.
German	WILLIAM C. VOLCKHAUSEN	Junior.
Oratory	JOHN P. SMITH.....	Senior.
Composition	WILBUR S. BOYER.	Senior.
Logic	AARON B. SALANT	Sophomore.
Astronomy	HAROLD M. MARTIN.....	Senior.
History	CHARLES SINDELAR.....	Junior.
Drawing.....	DAVID H. RAY.....	Sophomore.
Algebra and Geometry....	ALBERT J. MAYELL.....	Sub-Freshman.
Descriptive Geometry....	DOUGLAS W. CAIRNS.	Freshman.
Botany.....	JOSEPH F. PHILLIPS.....	Sub-Freshman.

Certificates of equal merit were awarded as follows :

History.....	{	RUDOLPH C. POKORNY.....	Junior.
	{	HENRY LEVY	Junior.
Moral Philosophy.....		HARRY C. KROWL.....	Senior.
Composition.....		EVERETT B. HEYMANN.....	Senior.
Algebra and Geometry ...		DAVID GOLDSTEIN	Sub-Freshman.

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT : " Webster and Marshall as Expounders of the Constitution."

MORTIMER C. MACK.....	Senior.
-----------------------	---------

THE CLAFLIN MEDALS.

SENIOR CLASS--Greek.

ALBERT G. MOHR.

Honorable mention to SIGMUND REICH.

JUNIOR CLASS--Latin.

OTTO SOMMERICH.

Honorable mention to HERBERT A. KNOX.

FRESHMAN CLASS.

Greek.....	.....	LOUIS SALANT.
Latin.....	.....	LOUIS A. FRIEDMAN.

THE KELLY PRIZES.

FOR THE BEST CRITIQUE. SUBJECT : " The Bigelow Papers."

HERBERT A. KNOX.....	Junior.
----------------------	---------

THE F. W. DEVOE PRIZES.

Wood Working	WALTER L. BOYER.....	Sub-Freshman.
Metal Working.....	EDWARD A. SPITZKA.....	Freshman.

THE KETCHUM PRIZES.

SENIOR CLASS--History of Philosophy.

First Prize.....	.....	HARRY C. KROWL.
Second Prize.....	.....	EVERETT B. HEYMANN.

JUNIOR CLASS--Political Economy.

First Prize.....	.....	EDWARD KASNER.
Second Prize.....	.....	{ CHAS. SINDELAR.
	.....	{ RUDOLPH P. ELLIS

PRIZE OF THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION.

EVERETT B. HEYMANN Senior.

THE SERENA MASON CARNES PRIZE.

German..... HUBERT F. BREITWIESER.....Sophomore.
French.....FRANK A. ALMUTH.....Senior.
Spanish.....MAXIMILLIAN L. ADLER.....Senior.

THE BENNETT PRIZE.

EVERETT B. HEYMAN.....Senior.

PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION.

PAUL M. CRANDELL.....Junior.

THE ROEMER PRIZE.

Poetry Declamation.....HARRY J. CURTIS.....Senior.

THE PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation.....JOHN PETER SMITH.....Junior.

THE KELLY PRIZES.

FOR THE BEST CRITIQUE. SUBJECT: Prescott's "Conquest of Mexico."

BERNARD NAUMBURGOf the Phrenocosmian Society.

HONORS.

The honors at Commencement were:

First (Valedictorian).....EVERETT B. HEYMANN.
Second (Salutatorian).....WALTER M. WECHSLER.
Third.....HARRY CATES KROWL.
Fourth.....MARTIN WECHSLER.
Fifth.....CLARENCE GALICENSTEIN.
Sixth.....JULIUS A. FLAUM.

Honorable mention is made of WALTER S. CAMERON, MAURICE B. LEWIS, ALBERT G. MOHR, JOSEPH DILLENBERG, HENRY FISHER, ISRAEL APPEL, ALFRED WEIL, RUDOLF TOMBO, JR., for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

MASTER OF ARTS.

CHARLES S. OAKLEY, A.B., Class of 1891.

BACHELOR OF ARTS.

BURKE, JOHN J.
CAIRNS, BAYARD S.
CAMERON, WALTER S.
DAVIDSON, ISRAEL.
DEIGNAN, J. HERBERT.
DRYFOOS, ARTHUR D.
EHRHORN, OSCAR WEEKS.
ELIAS, HEYMAN RALPH.
FLAUM, JULIUS ARTHUR.
FRIEDMAN, JOSEPH P.
GUION, CLARENCE CHILDS.

HEYMANN, EVERETT BERNARD.
KROWL, HARRY C.
LOCKHART, ROBERT J.
MAHONEY, JEREMIAH TITUS.
MOHR, ALBERT GUSTAV.
NEILL, JOHN CAMPBELL.
O'GRADY, CORNELIUS.
REICH, SIGMUND.
SMITH, JOHN P.
STARK, MEYER MAURICE.
STIEFEL, OTTO AUGUST.

WECHSLER, MARTIN.

BACHELOR OF SCIENCES.

ADLER, MAXIMILIAN L.
ALLEN, WILLIAM CREMER.
ALLMUTH, FRANK A.
APPEL, ISRAEL.
BENNETT, THOMAS ARCHIE.
BLOOMBERG, HARRY A.
BOYER, WILBER SARLES.
CURTIS, HARRY J. A.
DILLENBERG, JOSEPH.
EISNER, JEROME.
FISHER, HENRY.
GALICENSTEIN, CLARENCE.
GOLDBERG, LOUIS A.
HIRSCH, ISAAC HENRY.
HUDSON, WILBER G.
LANGER, SAMUEL.
LEWIS, MAURICE BARNETT.

LITTER, FERDINAND J.
LOOS, HERMAN ANDREAS.
LUCKE, CHARLES E.
MACK, MORTIMER CLARENCE.
MARTIN, HAROLD METCALF.
MEHRTENS, HENRY EDWARD.
*ROBERTS, JOHN STACEY.
ROBINSON, FRANKLYN WHITMAN.
ROSENBAUM, WILLIAM.
SAUNDERS, GEORGE CROSBY.
SHAFRANSKY, LEO.
SULLIVAN, FRANKLIN CURTIS.
TARLER, GEORGE CORNELL.
TOMBO, RUDOLF, JR.
WECHSLER, WALTER MORTIMER.
WEIL, ALFRED.
WERDENSCHLAG, ARTHUR.

WOOLF, HARRY.

COLLEGIATE CALENDAR.

1895-1896.

1895.

Sept. 12. Thursday.—Commencement of First Term.

Nov. 5. Tuesday.—Election Day.

Nov. 28. Thursday.—Thanksgiving Day.

Dec. 25. Wednesday.—

1896.

Jan. 2. Thursday.—

} WINTER VACATION.

Jan. 10. Friday.—End of First Term.

Jan. 13. Monday.—Review Examination commences.

Jan. 24. Friday.—Review Examination ends.

Jan. 27. Monday.—Commencement of Second Term.

Feb. 22. Washington's Birthday.

April 3. Friday.—Good Friday.

May 22. Friday.—End of Second Term.

May 25. }

June 12. }

Examinations for Advancement and Admissions

June 12. Friday.—Prize Speaking.

June 18. Thursday.—Commencement.

June 19. Friday.—

Sept. 16. Wednesday.—

} SUMMER VACATION.

Sept. 17. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Adams, Richard H.....	163 East 116th Street.....	737 Broadway.
Beneville, Emile, LL.B.....	414 East 116th Street.....	140 Nassau Street.
Goulden, Jos. A....	2433 Creston Avenue.	239 Broadway.
Holt, Charles L.....	117 West 130th Street.....	139 Maiden Lane.
Hubbell, Charles B	143 West 64th Street.....	2 Wall Street.
Hunt, John L. N., LL.D	352 Manhattan Avenue.....	135 Broadway.
Hurlbut, William H.....	200 West 57th Street.	
Kelly, Hugh.....	71 Wall Street.....	61 Fifth Avenue.
Ketchum, Alexander P.....	33 Mt. Morris Park, W....	57 Cotton Exchange.
Little, Joseph J	23 West 45th Street	8 Astor Place.
Mack, Jacob W.....	129 West 75th Street.....	92 Liberty Street.
Maclay, Robert ..	50 West 57th Street ..	432 Canal Street.
McSweeney, Daniel E.....	129 East 29th Street.....	
Meirowitz, Philip.....	336 East 4th Street.....	
Montant, Auguste P.....	39 West 21st Street.....	79 Worth Street.
Peaslee, Edward H., M.D.....	29 Madison Avenue....	
Prentiss, Nathaniel A....	131 East 26th Street.....	120 Broadway.
Rogers, Henry A.....	347 West 57th Street....	19 John Street.
Strauss, Charles	137 West 95th Street	237 Broadway.
Van Arsdale, Wm. J.....	110 Bank Street....	
Webb, Alexander S., LL.D...	15 Lexington Avenue.....	College.
Wehrum, Chas. C.....	315 East 20th Street.....	
Arthur McMullin, A.M., Secretary; office, Hall of the Board of Education.		
Edward E. Van Saun, Assistant Secretary; office, Hall of the Board of Education.		

OFFICERS OF THE COLLEGE.

Augé, Georges.....	Tutor.....	270 West 43d Street.
Baralt, Luis A.....	Instructor.....	134 West 64th Street.
Bliss, Henry E.....	Dep'y Libra'n.....	397 St. Nicholas Avenue.
Bruckner, Arthur...	Tutor.....	513 East 87th Street.
Burke, Edmund.....	Tutor.....	156 East 48th Street.
Carr, Henry S.....	Tutor.....	133 Manhattan Avenue.
Compton, Alfred G.....	Professor.....	40 West 126th Street.
Constant, Stanislas C.....	Instructor.....	142 East 48th Street.
De Groadt, James H.....	Tutor.....	288 Summit Ave., Jersey City.
Doremus, Charles A.....	Instructor.....	59 West 51st Street.
Doremus, R. Ogden.....	Professor.....	241 Madison Avenue.
Downer, Charles A.....	Tutor.....	133 Manhattan Avenue,
Engelsman, Gabriel.....	Tutor.....	62 East 120th Street.
Fabregou, Casimir.....	Professor.....	111 West 130th Street.
Fox, William.....	Tutor.....	West New Brighton, S. I.
Friedburg, Ludwig H.....	Tutor.....	384 Monroe Street, Brooklyn.
Hanaway, Samuel.....	Tutor.....	1139 Madison Avenue.
Hardy, George E.....	Professor.....	228 West 105th Street.
Hatch, Robert H.....	Instructor.....	111 West 48th Street.
Herbermann, Charles G.....	Professor.....	223 West 25th Street.
Hunt, Leigh H.....	Instructor.....	159 West 23d Street.
Ilgén, Ernest.....	Instructor.....	369 Herkimer Street, B'klyn.
Johnston, Henry P.....	Professor.....	37 East 50th Street.
Kost, Henry G.....	Tutor.....	730 East 134th Street.
Krowl, Harry C.....	Tutor.....	213 West 104th Street.
Laffargue, Gaston A.....	Tutor.....	215 East 53d Street.
Legras, Gustave.....	Instructor.....	1931 Madison Avenue.
Lippincott, Harold E.....	Tutor.....	42 Irving Place.
Mandel, John A.....	Instructor.....	Astoria, L. I.
Mason, James Weir.....	Professor.....	32 West 129th Street.
Mayell, Henry.....	Secretary.....	17 Lexington Avenue.
McGuckin, William G.....	Instructor.....	307 West 76th Street.
McNulty, John J.....	Instructor.....	58 Morton Street.
Meighan, Howard S.....	Tutor.....	45 East 9th Street.
Mott, Lewis F.....	Instructor.....	367 West 19th Street.
Naumburg, Bernard.....	Tutor.....	124 West 64th Street.
Nordby, Conrad H.....	Tutor.....	30 West 132d Street.
O'Brien, Walter.....	Tutor.....	304 Clinton Street, Brooklyn.
Parnly, C. Howard.....	Instructor.....	344 West 29th Street.
Perrin, Ernest N.....	Tutor.....	111 West 124th Street.
Reynolds, Frederick G.....	Tutor.....	140 West 132d Street.
Rupp, August.....	Instructor.....	225 East 19th Street.
Sickels, Ivin.....	Instructor.....	West Nyack, N. Y.
Sigel, Franz, Jr.....	Tutor.....	563 Mott Avenue.
Sim, John R.....	Instructor.....	New Rochelle, N. Y.
Smith, Calvin R.....	Instructor.....	293 Decatur Street, Brooklyn.
Smith, Robert F.....	Tutor.....	287 West 4th Street.
Stratford, William.....	Professor.....	263 West 52d Street.
Timme, Walter.....	Tutor.....	2 Riverview Terrace.
Tisdall, Fitz Gerald.....	Professor.....	80 Convent Avenue.
Webb, Alexander S.....	President.....	17 Lexington Avenue.
Werner, Adolph.....	Professor.....	339 West 29th Street.
Woolf, Solomon.....	Professor.....	261 West 134th Street.
Bonney, Michael F.....	Janitor.....	College Building.
Reed, James.....	Engineer.....	College Building.

STUDENTS.

SENIOR CLASS.

Alexander, Jerome, 39 East 60th st.	Gershel, Milton, 69 East 121st st.
Barit, Samuel, 127 East Broadway.	Glück, Emil, 138th st. & Amsterdam av.
Bernstein, Eugene P., 227 East 116th street.	Goldberg, Lawrence, 316 East 116th street.
Beyer, Emil, 401½ East 70th street.	Goodman, Joseph, 611 East 6th st.
Brustlein, C. H., 108 Lexington avenue.	Gordon, Frederick Bianchi, 245 West 132d street.
Carlson, Carl Oscar, 203 Lexington avenue.	Greenbaum, Max, 354 East Houston street.
Clark, George M., 613 East 136th street.	Hamburger, Max Sigmund, 222 East 58th street.
Corse, Arthur W., 129 West 94th street.	Heil, Joseph S., 63 East 127th st.
Crandell, Paul Morgan, 47 West 126th street.	Hoffman, Samuel, 425 East 80th st.
Cunningham, Joseph Atwood, 864 Lexington avenue.	Hollander, Edward, 165 East 49th street.
Curtis, T. Adrian, 142 East 36th st.	Hubschmitt, A. Wendell, 408 East 52d street.
Dreyfus, Fred. J., 45 East 92d st.	Hunt, Frederic Lincoln, 318 West 121st street.
Ehrhard, William Joselin, 305 East 39th street.	Jacobowitz, Louis, 1729 First av.
Ellis, Rudolph Pell, 71 West 101st street.	Jameson, Charles B., 47 West 132d street.
Ellison, Millard Henry, 48 East 87th street.	Jasper, J. Harper, 130 West 123d st.
Fernbach, Robert Livingston, 228 East 61st street.	Kasner, Edward, 52 Catherine st.
Ferris, George Joseph, 87 Dey st.	Kempner, Milton, 165 Monroe st.
Finesilver, Louis, 130 E. Broadway.	Kennedy, Jno. S., 128 West 102d st.
Flanagan, Edward, 473 East 150th street.	Kenney, Edward Joseph, 408 Madison street.
Franklin, William Kernan, 95 Greenwich avenue.	Knox, Herbert Allan, 472 Mott av.
Gandolfo, Joseph Harrington, 245 East 19th street.	Kridel, Alexander Hayes, 15 East 77th street.
	Kues, George August, 534 East 82d street.
	Lawyer, Louis Rossell, 342 West 32d street.

- Lee, James J. A., 235 East 124th st.
 Lese, Frederick, 231 East 60th st.
 Levine, David, 736 Lexington av.
 Levy, Henry, 333 East 84th street.
 Lippe, Adolphus A., 423 East 116th street.
 McDowell, Alexander Henry, 457 West 21st street.
 Marks, Louis, 230 East 68th street.
 Martin, Norman, 786 East 142d st.
 Martin, Thomas A., 436 Lenox av.
 Martin, U. F., 1319 Broadway.
 Moschcowitz, Eli, 364 West 55th st.
 Mund, Conrad, 308 East 62d street.
 Murray, Hugh Charles, 67 West 96th street.
 Petersen, August H., 848 East 135th street.
 Peyser, Harold, 225 East Broadway
 Phillips, Harold M., 221 Division street.
 Plonsky, Samuel Edward, 50 West 88th street.
 Pokorny, Rudolph C., 501 East 72d street.
 Rippe, L. Maurice, 24 Division st.
 Rosensohn, William, 49 Eldridge street.
 Rosett, Louis J., 1676 Avenue A.
 Scherr, Jr., Emilius William, 2014 Seventh avenue.
 Schlueter, Edward H., 528 East 12th street.
 Schoedel, Frederick, Jr., 136 First avenue.
 Schoenfeld, Jacob Mylburn, 293 Seventh street.
 Sindelar, Charles, 1506 Avenue A.
 Sladovnik, Charles, 307 East 46th street.
 Smallen, Hugh Jerome, 352 College avenue.
 Sommerich, Otto C., 572 Park av.
 Strobel, August C., 2308 First av.
 Strobel, Walter E., 164 West 105th street.
 Taylor, Albert Steele, 838 East 165th street.
 Thellusson, Charles F., 204 Elm st.
 Truckenbrodt.
 Valentine, Morris Crawford, 259 West 131st street.
 Vermilya, Frank Bayles, 36 West 128th street.
 Volckhausen, William Caspar, 16 13th street.
 Wagner, Oscar, 60 East 93d street.
 Wechsler, Samuel, 250 East 60th st.
 Wright, Alfred A., 163d street and Sheridan avenue.
 Zevie, Simon, 72 Division street.

JUNIORS.

- Ackerman, William, 255 West 32d street.
 Anspacher, Louis K., 18 East 119th street.
 Arnstein, Max Leopold, 114 East 72d street.
 Berger, John, 97 Sheriff street.
 Bernheimer, Clarence G., 156 West 97th street.
 Billo, Otto, 413 East 80th street.
 Bing, Alexander, 21 West 88th st.
 Birnbaum, Martin, 336 East 26th st.
 Boroschek, Leopold, 149 East 56th street.
 Boyd, William B., 40 Perry street.
 Breitwieser, Hubert F., 74 Seventh street.
 Browne, Robert L., 207 West 16th street.
 Buerger, Leo, 204 East 116th street.
 Chankin, Joseph, 14 St. Mark's pl.
 Cohen, Hyman, 11 Montgomery st.

Cohn, Louis, 289 West Houston st.
 Coleman, Samuel F., 225 West 32d street.
 Coleman, William A., 850 Lexington avenue.
 Compton, Alfred, 40 West 126th st.
 Cooper, Bernard J., 823 Amsterdam avenue.
 Dearborn, Fred. M., 146 West 57th street.
 De Witt, Walter G., 57 West 82d st.
 Diamant, Arthur H., 4 East 97th st.
 Donohue, Thomas J., 155 East 84th street.
 Doob, Irving E., 219 East 61st st.
 Dorland, George W., 361 Bleeker street.
 Dunn, Harris Ashton, 223 Central Park West.
 Eberhardt, Henry A., 253 West 35th street.
 Elgas, William Taylor, 121 West 87th street.
 Fichandler, Alexander, 59 Bayard street.
 Findlay, Walter, 318 West 18th st.
 Foehrenbach, Herman, 356 West 46th street.
 Fox, Solomon W., 345 Spring st.
 Fried, Isidor, 470 East Houston st.
 Galewski, David, 26 West 120th st.
 Garrety, William Plymon, 335 West 24th street.
 Gentzlinger, Charles F., 320 East 41st street.
 Geoghegan, Joseph G., 20 East 73d street.
 Geoghegan, Walter F., 20 East 73d street.
 Goldwasser, Israel Edwin, 209 East 116th street.
 Gombarts, George, 69 Columbia st.
 Goodman, Maurice, 354 East Fourth street.
 Grady, William E., 419 East 87th street.

Haight, Robert Stanley, 1270 Madison avenue.
 Hanson, Herbert Henry, 145 West 121st street.
 Hargrave, George Edwin, 281 West 118th street.
 Harris, Maxwell S., 415 Grand st.
 Harris, William Henry, 318 West 42d street.
 Heller, Bernard S., Graham House, cor. 89th street and Madison av.
 Herbert, Le Roy Bedford, 182 East 64th street.
 Hoffman, Mark, 49 Attorney st.
 Hosch, Robt. F. W., 614 East 16th street.
 Jacobson, Samuel O., 123 East 82d street.
 Jacoves, Louis J., 63 East B'way.
 Jellinghaus, C. Frederick, 45 St. Mark's Place.
 Joseph, Louis, 146 Clinton street.
 Kaempffert, Waldemar B., West 106th st. and Riverside Drive.
 Krampner, William, 262 East Houston street.
 Lewine, J. Lester, 813 Lexington avenue.
 Leyes, Louis, 2285 First avenue.
 Lieberman, John, 1905 Second av.
 Long, Theodore, 261 West 113th st.
 Ludwig, Augustus, 209 East 109th street.
 McGuire, Clarence K., 104 Bank st.
 Mandel, Morris, 736 Lexington av.
 Mayhew, Karl S., 1963 Seventh av.
 Michael, George Washington, 1600 Avenue A.
 Morrison, Charles E., 103 West 56th street.
 Nathans, Thomas A., 163 East 93d street.
 Newman, Joseph, 79 East 124th st.
 Orcutt, Cevendra Blake, 424 West 57th street.
 Patri, Angelo, 2184 First avenue.

- Paul, Francis H. J., 444 West 33d street.
- Platt, Mark C., 329 West 46th street.
- Pugliese, Anthony, 2198 First av.
- Radgik, Abraham, 185 Henry st.
- Rafferty, James A., 141 West 62d st.
- Ray, David Heydorn, 416 West 55th street.
- Remenitsky, Joseph, 142 Columbia street.
- Reinhardt, Emanuel, 243 Seventh street.
- Reisman, Samuel C., 56 Broome st.
- Rich, Albert G., 164 West 88th st.
- Richardson, Wm., Jr., 329 East 13th street.
- Ridley, A. John, Jr., 118 East 64th street.
- Roberts, Arthur Joseph Dean, 1591 Lexington avenue.
- Roll, John K., 147 East 92d street.
- Rose, William G., 1800 Lexington avenue.
- Rosenberg, Michael, 140 Columbia street.
- Rosenberg, Samuel, 119 Clinton Pl.
- Rupprecht, Hugo, 622 Eighth av.
- Salaul, Aaron B., 348 East 78th st.
- Scheibel, Henry, 129 Cannon street.
- Schlosser, Jacques Bach, 2 East 92d street.
- Schmid, Charles P., Jr., 25 Beekman Place.
- Schroeder, Louis J., 22 University Place.
- Schultz, Alfred P., 288 Broome st.
- Schwed, Frederick, 103 East 71st st.
- Sheridan, James Walter, 2011 Third avenue.
- Simmons, Maurice, 91 Canal street.
- Sinclair, Upton B., Jr., 28 West 64th street.
- Sparks, Clarence Ashton, 159 West 63d street.
- Spingarn, Alexander, 31 Division street.
- Springmeyer, Charles Edwin, 522 East 119th street.
- Solomon, Nathan, 344 West 145th street.
- Stahl, G. Frederick, 419 East 16th street.
- Stark, Morris, 433 East 57th street.
- Stark, Nathan, 257 Second street.
- Stern, Arthur Joseph, 202 East 52d street.
- Stern, Simon Theodore, 75 West 91st st.
- Stern, Sydney Wilfred, 59 East 75th street.
- Sugarman, Solomon C., 217 Henry street.
- Swan, Giles J., 160 West 29th street.
- Tombo, Carl, 2 Ridge Place, Mott Haven.
- Tuttle, James Horton, 336 West 84th street.
- Vandegrift, George W., 277 Henry street.
- Vermilya, P. Sherwood, 36 West 128th street.
- Vogel, George E., 704 East 175th st.
- Vogt, Charles A. M., 619 East 157th street.
- Wade, John Edgar, 276 West Fourth street.
- Weinberg, Ralph, 166 East 72d st.
- Whiteside, Donald G., 251 West 133d street.
- Wolfe, Roscoe Vincent, 1476 Lexington avenue.
- Ziegel, Herman F. L., 568 Park av.

SOPHOMORE—CLASSICAL.

- Agatstein, Sigmund, 108 East 90th street.
- Alted, Julius, 9 Montgomery street.
- Arnold, Felix, 173 East 62d street.
- Aronson, Jacob J., 241 East 116th street.

Bartley, J. A., 544 Third avenue.
 Block, Sam'l John, 86 East 111th st.
 Blumenthal, J. Leon, 301 West 55th street.
 Brand, H.
 Brandt, Maurice, 127 Norfolk st.
 Braun, Alfred, 121 East 112th street.
 Clarke, Robert Ainley, 657 Western Boulevard.
 Cohen, Max, 283 Tenth avenue.
 Cremin, Wallace L., 848 Lexington avenue.
 Cunningham, Edward W. C., 22 Seventh street.
 Davidson, Maxwell, 131 East 78th street.
 Davis, Stanley B., 1977 Seventh av.
 Elgas, Matthew J., Jr., 121 West 87th street.
 Ernst, Bernard M. L., 126 West 132d street.
 Fine, David, 36 Pike street.
 Fischer, Samuel M., 1270 Madison avenue.
 Fischer, William K., 524 West 142d street.
 Flatto, Isadore, 141 Monroe street.
 Friedman, Louis A., 807 East Ninth street.
 Getty, William J. T., 220 West 58th street.
 Hammond, William K., Jr., 324 West 29th street.
 Hanson, Arthur Taber, 145 West 121st street.
 Herman, Sydney Hubert, 54 East 80th street.
 Hochlerner, Tobias, 80 Suffolk st.
 Hottenroth, Frederick W., 668 East 134th street.
 Jacoby, Leo, 426 East 115th street.
 Kaiser, Emanuel M., Hotel Beresford, 81st st. and Eighth avenue.
 Kinkeldey, Otto, 41 East 132d st.
 Klein, Louis, 212 Second street.
 Krabs, Maurice Hill, 226 Clinton st.

Krehbiel, Otto Frederick, 16 West 120th street.
 Lederman, Jules Delmore, 128 East 60th street.
 Lesegeld, B. Cecil Cyril Algernon, 15 East 77th street.
 Lesser, Pincus, 76 Orchard street.
 Levy, Isaac H., 208 Broome street.
 Lewis, Moses, 143 Orchard street.
 Lichtenstein, George, 414 East 78th street.
 Lindenstien, Samuel G., 163 West 64th street.
 Magewirth, Julius O., Woodlawn Heights, Kemble street, care of Mrs. O. Lauer.
 Magie, John E., 17 West 119th st.
 Margulies, Irving, 209 East 114th street.
 Mayhew, Ralph S., 1963 Seventh av.
 Menline, Joseph S., 356 East 69th st.
 Meyer, Julian Jacques, 2069 Madison avenue.
 Myers, David, 108 East 55th street.
 Myers, Saul S., 334 East 86th street.
 Mork, Seymour, 348 East 51st st.
 Nathan, Sol. Alex., 830 Second av.
 Nicholson, Douglas, 583 West 145th street.
 Pascal, Joseph Leon, 93 Delancey street.
 Penney, Clarence John, 104 East 55th street.
 Pretzfeld, Charles J., 152 East 61st street.
 Radin, Herman Theodore, 82 East 108th street.
 Rooney, Joseph Vincent, 301 East 69th street.
 Rosenovsky, Ellis L., 36 Henry st.
 Rosensohn, Samuel J., 49 Eldridge street.
 Salant, Louis, 348 East 78th street.
 Schaeffer, Benjamin Leonard, 208 East Broadway.

Schulhofer, Samuel, 628 East Fifth street.
 Schwarz, Arthur Harold, 105 East 79th street.
 Siegel, I. Devonshire, 705 East 139th street.
 Siegelman, Julius, 605 East Eleventh street.
 Silk, Moses, 375 Greenwich street.
 Sobel, David, 148 Henry street.
 Sohst, Edward Carl, 45 East Third street.
 Steiner, Gilbert D., 413 East 86th st.
 Steinhardt, Samuel Charles Lyons, 359 Western Boulevard.
 Stern, Adolph, 494 Grand st.

Stern, Philip M., 310 East 85th st.
 Tauszky, David Anthony, 107 East 61st street.
 Teven, Sidney L., 238 Seventh st.
 Theobald, Jacob, 542 East 11th st.
 Tonn, Charles Robert, 302 East 89th street.
 Tripp, Ross William, 356 West 23d street.
 Weinberger, George Gabriel, 411 East 87th street.
 Yuzzolino, Albert Mazini, 81 Baxter street.
 Ziegler, Charles Edward, cor. Boscobel av. and High Bridge street.

SOPHOMORE—SCIENTIFIC.

Aronson, David A., 261 Henry st.
 Bastine, Harold Jackson, 112 East 19th street.
 Broder, Nathan, 45 Eldridge street.
 Cairns, Douglas Walker, 40 Grove street.
 Casselman, William H., 419 East 87th street.
 Collins, Christopher D., 312 East 37th street.
 Cottle, George F., 1 Gramercy Park
 Denzer, Sydney Weilman, 113 West 130th street.
 Dickheiser, Saul J., 142 Clinton st.
 Fischer, Bernard William, 227 West 37th street.
 Fishel, Mortimer, 166 East 78th st.
 Foster, Mortimer B., Hoffman Ho.
 Frank, Julius, 95 Ludlow street.
 Green, James, 203 Seventh avenue.
 Harris, Isador, 305 Henry street.
 Harris, Jacob, 244 East Broadway.
 Hynes, Mortimer, 55 West 39th st.
 Isaacs, Michael, 175 East B'way.
 Kahn, Samuel, 406 E. 50th street.
 Klein, Anthony, 212 Second street.
 Koerper, Conrad E., 222 West 72d street.

Krakower, Moses Nathan, 158 East Broadway.
 Lesser, Jacob, 147 Clinton street.
 Leventhal, Harris, 228 East B'way.
 Levy, Edward, 109 West 78th street.
 Lowenstein, Simon S., 160 Attorney street.
 Lewis, Samuel J., 235 Division st.
 Ludvigh, Gyula, 759 Lexington av.
 Michelson, Max, 270 West 37th st.
 Peyser, William, 225 East B'way.
 Pfletschinger, Frederick, 184th st. and Tiebout avenue, Fordham.
 Riederer, Herman S., 145 West 94th street.
 Robinson, Leo Henry, 342 Bowery.
 Rosalsky, Joseph Stonewall, 29 Allen street.
 Scheider, Frederick M., 187 East 64th street.
 Silverman, Samuel, 333 Stanton st.
 Smulovitz, Abraham, 171 Avenue C.
 Solomon, Mortimer, 122 Ridge st.
 Stanbrough, Harold K., 155 East 50th street.
 Stantial, Robert Sumner, 540 East 163d street.
 Tennant, George G., 593 Third av.

Wagner, Robert Ferdinand, 231 East 58th street.

Waldman, Morris D., 201 East Fourth street.

Weil, Irving Henry, 2145 Seventh avenue.

Wund, William F., 327 East 30th street.

Weizenhoffer, Adolph, 334 East Houston street.

Wolfson, Samuel R., 128 East 56th street.

Worm, Oscar R. W., 548 East 87th street.

SOPHOMORE—MECHANICAL.

Anderson, Charles M., 363 West 56th street.

Barry, Joseph Thomas, 441 East 23d street.

Bayne, Stephen F., 298 West 138th street.

Bernstein, Solomon, 334 East 86th street.

Boecker, Alexander, 237 East 28th street.

Breitwieser, Herman G., 74 Seventh street.

Buerger, Charles Bernard, 204 East 116th street.

Bullwinkel, William H., 665 Tenth avenue.

Cavagnaro, John J., 16 Macdougall street.

Cimiotti, Walter F., 221 Second av.

Colwell, Sino M., 365 West 27th street.

Fisher, Fred. S., 914 St. Nicholas avenue.

Friedmann, Henry, 128 Lewis st.

Gartlan, Eugene B., 245 East 116th street.

Gartlan, J. Henry, 245 East 116th street.

Goldberger, Henry H., 128 Cannon street.

Hachtmann, Andrew P., 63 East Ninth street.

Hamburg, Edwin Charles, 110 West 116th street.

Holloway, J. Henry, 1625 Madison avenue.

Holton, Herbert M., 244 East 112th street.

Klein, Henry, 93 Columbia street.

Kunzmann, J. Frank, 79 West 101st street.

Lawson, Randolph S., 18 East 11th street.

McGowan, William, 244 East 20th street.

Neidlinger, Charles R., 638 West End avenue.

Pasternak, Nathaniel, 76 Lewis st.

Philip, Maximilian, 89 Pitt street.

Phillips, Philip, 235 East 79th st.

Pretzfeld, Howard F., 59 East 83d street.

Randolph, Fred. P., 51 East 29th st.

Reed, W. Clarence, 406 West 19th street.

Scott, Allan, 258 West 24th street.

Sewards, Theodore M., 1839 Madison avenue.

Shattuck, Leslie Calhoun, 360 West 29th street.

Slavik, William, 40 Avenue B.

Smith, Havilah Medless, 71 Perry street.

Spitzka, Edward Anthony, 712 Lexington avenue.

Stocky, Peter D., 15 East 130th st.

Strauss, Lester, 60 St. Mark's Place.

Tiedt, Hermann, 325 East 75th st.

Viertel, Samuel, 82 East 121st st.

Weaver, Albert B., 515 Manhattan avenue.

Wessells, E. Herbert, 43 West 91st street.

FRESHMAN—CLASSICAL.

- Abelson, Paul, 39 Catharine street.
 Ackerman, Henry J., 437 West 34th street.
 Adams, Robert A., 16 St. Nicholas Place.
 Alter, Maurice J., 127 East 101st st.
 Applebome, Louis, 176 First av.
 Asch, Joseph J., Jr., 770 Lexington avenue.
 Bandler, Maurice E., 212 Edgecombe avenue.
 Bastine, Arthur R., 112 East 19th street.
 Bailey, Francis D., 124 East 28th st.
 Birnkrant, Jacob, 103 East B'way.
 Bloomfield, Meyer, 161 Orchard st.
 Bluhm, Julius, 321 East 79th street.
 Boyle, Raphael A., 307 West 123d street.
 Bracker, M. H., 97 Second avenue.
 Brill, Abraham, 93 Columbia street.
 Brockway, Gilbert G., 231 Brook avenue.
 Browne, John, 207 West 16th st.
 Brouwer, William H., 136 West 130th street.
 Brummer, Sidney D., 222 West 139th street.
 Bullowa, Jesse Godfrey M., 46 East 66th street.
 Burg, William E., 357 West 117th street.
 Burger, Henry S., 32 Pitt street.
 Calhoun, Harry, 7 Hamilton Terrace.
 Calhoun, John G., 165th street and Amsterdam avenue.
 Caplan, Elias N., 162 Madison st.
 Clapp, Fred. M., 353 West 15th st.
 Cohen, Elias, 36 Pike street.
 Condon, Joseph F., 882 East 169th street.
 Danziger, Leonard, 677 E. 135th st.
 Davidorf, Henry, 473 Columbus av.
 Davidson, Maurice, 259 East 78th street.
 Davidson, Gabriel, 241 East 68th st.
 Donovan, John J., 751 East 141st st.
 Ecclesine, Edward, 102 West 128th street.
 Eckstein, Joseph, 292 Second street.
 Edelstein, Goodman, 26 Suffolk st.
 Eder, Phanor James, 123 West 80th street.
 Ehrenreich, Bernard C., 736 Lexington avenue.
 Ehrlich, Simon, 203 Delancey st.
 Eichler, Menahem (Max), 736 Lexington avenue.
 Ermolnekov, Jacob, 146 Forsyth st.
 Farries, James T., 1105 Lexington avenue.
 Felberg, 83 Goerck street.
 Fendrich, Edward A., 428 West 41st street.
 Finkenstein, Jacob, 163 Ludlow st.
 Fischer, Nicholas, 222 Henry street.
 Flatow, Sol. L., 107 Henry street.
 Frank, Joseph S., 106 West 69th st.
 Frank, Louis, 19 James Slip.
 Frankenthal, Milton, 662 Lexington avenue.
 Freidenrich, Oscar W., 200 West 130th street.
 Fried Michael, 736 Lexington av.
 Frischman, Charles, 242 Stanton st.
 Gallagher, John J., 167 West 133d street.
 Gibney, Eugene C., 470 West 150th street.
 Goldman, Isaac, 23 Bayard street.
 Goldstein, David, 252 Delancey st.
 Gomprecht, Harry, 210 East 61st st.
 Goodfriend, N., 9 Avenue C.
 Goodman, Elias B., 112 Rivington street.
 Graham, J. Monroe, 464 Lexington avenue.
 Greene, Sime, 204 West 36th street.
 Greenberg, Louis David, 30 Norfolk street.
 Grossman, Charles, 1626 Avenue A.

Grossman, Louis, 452 Grand street.
 Harlem, Eli David, 248 West 37th street.
 Harrison, Philip, 426 East 51st st.
 Hecht, Harry Garfield, 507 East 81st street.
 Herman, Harry, 307 East 78th st.
 Herzog, Samuel Adler, 476 East 177th street.
 Horowitz, William, 145 East 82d st.
 Hunter, Frederick Clark, 368 West 35th street.
 Israeli, Phineas, 736 Lexington av.
 Jacobs, E. Louis, 204 West 122d st.
 Jacobs, Joseph, 52 First avenue.
 Jacobs, Louis, 135 Rivington st.
 Jacobson, Walter Henry, 106 First avenue.
 Jenkins, Raeburn William, 173 West 85th street.
 Johnson, Edward Arthur, 211 East 35th street.
 Jones, Isaac, 413 East 57th street.
 Katz, David, 304 Amsterdam av.
 Kaus, Herbert Robert, 460 West 49th street.
 Kayser, Henry Conrad Adolphus, 1063 Lexington avenue.
 Kennedy, Alfred N., 306 West 46th street.
 Kenney, John Leo, 113 West 60th street.
 Kiralfy, Harry Bolossy, 38 West Washington Square.
 Kleinberger, Sidney Frank, 147 East 55th street.
 Knipe, William Hugh Wellington, 353 West 24th street.
 Koehler, Leopold Jacob, 518 East 82d street.
 Kramer, David, 324 West 33d street.
 Krauskopf, Henry, 236 East 79th st.
 Kudlich, Hans Edgar, 56 West 17th street.
 Lazarowitz, Jacob, 26 Eldridge st.
 Lefkowitz, Aaron Isaac, 62 Sheriff street.

Leibovitz, Samuel, 139 Norfolk st.
 Loew, Elias A., 199 Allen street.
 Loew, Jno. T., 10 Amsterdam av.
 Loewenbaum, Uriel M., 1627 First avenue.
 Loewinthan, Albert, 313 Rivington street.
 McDonald, Robert F., 760 East 140th street.
 McNeill, Joseph, 508 West 23d st.
 MacNicholl, W. Arthur, 321 East 50th street.
 Marx, Philip, 361 East 10th street.
 Marks, Harry M., 28 Rutgers st.
 Mason, J. Warren T., 679 East 139th street.
 Meidt, George Santer, 622 Lexington avenue.
 Mendelsohn, Harry, 154 Stanton st.
 Menkes, Charles, 172 Ludlow street.
 Méras, Albert A., 61 East 107th st.
 Meyer, Rutherford B., 402 First av.
 Meyers, Harold, 140 East B'way.
 Michel, Abraham, 246 East 51st st.
 Milne, Jr., Charles, 124 East 45th st.
 Mooney, Richard D., 310 East 119th street.
 Moscowitz, Henry, 32 Delancey st.
 Müller, Werner, 418 West 154th st.
 Olcott, Herman P., 30 West 128th street.
 Onderdonk, Frederick A., 265 West 131st street.
 Park, William, 247 West 36th street.
 Parry, Frank Walter, 673 East 136th street.
 Patterson, James R., Jr., 137 East 116th street.
 Perl, Louis, 310 East Third street.
 Platzeh, Ralph, 22 East 91st street.
 Popkin, Michael, 124 East 60th st.
 Radin, Max, 82 East 108th street.
 Raymond.
 Read, Frank, 181 West 63d street.
 Reiss, Henry, 301 Eighth street.
 Rochow, Otto T., 183 East 79th st.
 Rosenberg, Louis, 1828 Third av.

Rosenthal, Charles, 80 East B'way.	Steeres, Frederick Manly, 427 Mott avenue.
Rosenthal, Charles M., 344 East 50th street.	Strauss, Charles Augustus, 107 East 73d street.
Rosenthal, Edward J., 336 East 51st street.	Strodl, George Thomas, 183 Grand street.
Samuels, Herbert Herman, 274 Lenox avenue.	Strouse, Alex. L., 122 East 86th st.
Schoonmaker, Augustus, 142 West 42d street.	Sugarman, Moses A., 217 Henry st.
Schwartz, Leon, 149 Chrystie st.	Suling, John W., 8 Charlton street.
Schweitzer, Henry, 366 Ninth av.	Supnik, Henry, 217 Broome street.
Seligmann, Rudolph A., 251 Seventh street.	Taschman, Max, 15 Norfolk street.
Siegel, Samuel J., 705 East 139th st.	Trimmer, Theodore S., 936 East 137th street.
Sill, Arthur Morrell, 1196 Park av.	Turk, William, 122 East 93d street.
Skriwanek, Joseph, 779 Courtlandt avenue.	Turner, Thomas R., 426 West 29th street.
Smith, Royal E., 251 West 127th st.	Vogel, Louis, 458 Ninth avenue.
Smith, Thomas H., 23 West 128th street.	Wainwright, Jay M., Bedford Park.
Sohst, Rudolph E., 240 East 72d st.	Weil, Walter D., 62 East 88th street.
Sperling, Frederick William, 211 West 45th street.	Weinberger, Jacques, 143 West 96th street.
Steindler, Harry, 306 West 121st st.	Weiss, Jacob, 198 Second street.
Steinhard, David, 247 East 61st st.	Weissman, Max, 328 Stanton st.
Woticky, Edward, 318 East 77th st.	Wolf, Sidney, 545 East 84th street.
	Woolf, Samuel Johnson, 728 West End avenue.

FRESHMAN—SCIENTIFIC.

Adlerman, Israel Philip, 14 Attorney street.	Bodenheimer, Milton, 336 East 50th street.
Aarons, Sidney H., 130 East 76th street.	Boyd, Robert W., 40 Perry street.
Amster, Julius L., 109 Willett st.	Bremer, Alexander Magnus, 69 East 86th street.
Apfel, Charles L., 171 Rivington st.	Britwitz, Meyer, 33 Forsyth street.
Babbitt, Niles S., 14 West 75th st.	Burkan, Nathan, 113 Eldridge st.
Baer, Jules Henry, 446 West 43d st.	Camera, Americo, U. N., 991 Second avenue.
Bateson, Charles Edward, Jr., 146 West 95th street.	Cahn, Sidney M., 12 East 66th st.
Beck, Samuel S., 199 East Houston street.	Camp, Irving L., 274 West 132d st.
Belitzer, Martin, 107 East 61st st.	Cohen, Frank, 1200 Madison av.
Bleich, Samuel D., 403 East Houston street.	Cohen, Louis J., 11 Montgomery st.
Bloch, Bernhard, 143 Delancey st.	Condon, George S., 177 West 101st street.
Block, Louis M., 104 Delancey st.	Coulter, Elmer D., 301 West 45th street.

Davidson, Arthur M., 4 West 128th street.
 Davis, Michael M., Jr., 206 West 139th street.
 Dougherty, Richard E., 244 West 20th street.
 Drakenfeld, Bernard F., 508 East 58th street.
 Eckstein, Hugo G., 277 East 10th street.
 Epstein, Simon, 3541 Third avenue.
 Ernststein, Henry, 125 Ludlow street.
 Erstein, Moses L., 63 East 66th st.
 Faulkner, Harry Richard, 340 West 28th street.
 Fendrich, Charles, 428 West 41st st.
 Ferguson, George Purdy, 343 West 24th street.
 Fitzsimmons, William Henry, 492 Grand street.
 Freudenheim, Solomon, 54 East 118th street.
 Friedenbergl, Edgar M., 34 East 70th street.
 Friedman, Arthur Lewis, 44 East 67th street.
 Garry, Arthur James, 217 East 39th street.
 Gartner, William, 363 East 10th st.
 Gilbert, Walter Merwin, 637 Walton avenue.
 Goldberg, Samuel, 116 Stanton st.
 Goldberger, Isidore, 130 Ridge st.
 Goodhart, Julius Bien, 1148 Park avenue.
 Goerwitz, William, 190 Third av.
 Greenstein, Marx Barnett, 39 East Broadway.
 Gregory, Percival, 140 West 38th st.
 Hamill, John, 347 East 14th street.
 Hay, Marley, 157 West 84th street.
 Hirschthal, Meyer, 127 Rivington street.
 Hirsdansky, Simon, 199 Henry st.
 Holzman, Ralph, 132 East 74th st.
 Jaffy, Max, 138 Madison street.
 Joffe, Marcus E., 187 Henry street.

Joseph, Jacob, 146 Clinton street.
 Kaufmann, Arthur, 11 East 66th st.
 Kindlund, James Condie, 367 West 22d street.
 Kramer, Isaac, 243 West 16th street.
 Levy, Aaron William, 235 East 102d street.
 Levy, Charles, 373 Willis avenue.
 Lynch, Richard Taylor, 455 West 21st street.
 Marcus, Morris, 79 Clinton street.
 Marks, Maurice Eisner, 1034 Lexington avenue.
 Mayell, Albert J., 550 East 164th st.
 Mayer, Arthur, 202 Seventh street.
 Mead, Nelson Prentiss, 405 West 17th street.
 Meyer, Arthur Simon, 132 West 132d street.
 Michailovsky, Benjamin, 130 East 104th street.
 Moses, Montrose Jonas, 252 West 84th street.
 Moseson, Herman, 180 Henry st.
 Newman, Charles Joseph, 168 Clinton street.
 Newman, Serenus Lazarus, 336 Cherry street.
 Oakes, Frank Burchard, 423 West 21st street.
 Parsons, Isaac Dayton, 344 West 23d street.
 Platz, Julian, 252 West 128th street.
 Phillips, Joseph Francis, 219 East 34th street.
 Popper, Gustave Joseph, 330 East 54th street.
 Quirk, Thomas Francis, Hall Place, 165th street.
 Raisin, Jacob S., 37 Rutgers street.
 Raphaelson, Samuel, 102 East Broadway.
 Regnault, Charles H., 74 West 45th street.
 Reid, Thomas A., 444 West 58th st.
 Reinhardt, Maurice, 148 East 89th street.

Ritter, Julius, 180 Stanton street.	Spitzer, Abraham, 25 Rutgers Pl.
Ritterband, George M., 67 East 80th street.	Staelin, Richard A., cor. Fleetwood avenue and 163d street.
Roberts, George Alexander, 329 East 106th street.	Starr, Frederick, 83 Goerck street.
Rosenbaum, Joseph, 102 East Broadway.	Steele, George William, 112 East 104th street.
Rosenthal, Samuel, 30 Essex street.	Stein, William M., 161 West 85th st.
Rowan, Alfred G., 837 East 163d st.	Steinberger, Frederick J., 153 East 61st street.
Sable, Louis A., 106 Avenue B.	Stern, Albert, 494 Grand street.
Saxe, Bernard D., 32 Attorney st.	Stratton, Deane, 2013 Fifth avenue.
Schaefer, Fred. L., 448 West 47th street.	Sundheimer, Malcolm, 38 West 76th street.
Schnepel, George A., 265 West 22d street.	Swick, David A., 541 East 16th st.
Sherwood, A. E., 360 Canal street.	Timme, Waldemar, 2 River View Terrace.
Shufro, Jacob, 11 Eldridge street.	Tompkins, Harry S., 164 West 83d street.
Shulman, Morris, 302 East 125th st.	Van Nostrand, Robert, 707 Eighth avenue.
Sim, Charles William, 66 West 106th street.	Walther, Amo, 304 West 144th st.
Smith, Reginald H., 40 West 126th street.	Weinstein, Abraham, 327 Madison street.
Solis-Cohen, Leon M., 1270 Madison avenue.	Wilson, Hugh D., Jr., 75 West 92d street.
Solomon, Isaac 841 Third avenue.	Wolkenstein, Richard, 352 East 51st street.
Solon, Alexander S., 105 East 88th street.	

Wood, Wilson G., 61 East 25th st.

FRESHMAN—MECHANICAL.

Alperin, Benjamin, 324 First av.	Dorfman, Walter, 124 Rivington st.
Baumgarten, Charles, 312 East 70th street.	Fullwood, Le Roy L., 1 King st.
Benda, Harry R., 355 West 24th st.	Geissler, Adolph, 356 East 50th st.
Bennett, James Albert, 88 Grove st.	Glaubiger, Emil, 93 Lewis street.
Blume, Frederick W., 436 West 52d street.	Grassi, Otto J. A., 58 West 119th st.
Boyer, Eugene D., Morris Heights.	Gruntal, Edwin A., 122 East 61st st.
Boyer, Walter Le C., Morris Heights.	Grupe, Henry J., 635 East 135th st.
Brand, Samuel, 246 East 27th st.	Hesse, Milton, 132 East 62d street.
Budds, Benjamin C., 356 West 24th street.	Hollander, Louis H., 112 East 93d street.
Chambers, Bernard, 50 Eldridge st.	Horovitz, Jacob, 485 East 134th st.
Devlin, Joseph, 171 East 33d street.	Jones, Alex., 236 Fifth avenue.
Dittmar, George F., 423 Third av.	King, William E., 2361 Morris av., Fordham.
	Koscherak, Ferdinand E., 127 West 82d street.

<p>Kraus, Louis, 418 East 73d street. Leddy, John F., 4203 Third avenue. Levien, Francis G., 695 East 135th street. Lindsay, William G., 488 Columbus avenue. Magnus, Benj., 22 East 111th st. Mehrlust, Jacob, 173 Second street. Menges, Philip C., 451 West 48th st. Miller, Robert, 225 Brown Place. Mohr, Edward H., 17 Bedford st. Morgan, William J., 134 East 94th street. Neidlinger, Samuel C., 638 West End avenue. Norden, Joseph, 223 West 10th st. Pomeroy, Paris R., 24 West 135th street. Pointner, Hans, 87 Broad street. Randolph, Frederick P., 51 East 29th street. Roell, Antone J., 1059 Second av. Roos, Oscar C., 2025 Washington avenue, 179th street. Zellermayer, Maurice</p>	<p>Sackheim, William I., 352 West 38th street. Scheuplein, Henry, 322 Third av. Schmid, Ernest E., 25 Beekman Pl. Sowards, Theophile F., 1839 Madison avenue. Sheridan, John V., 2011 Third av. Solomon, Arthur L., 344 West 145th street. Steinhart, Clarence V., 783 Madison avenue. Tobey, Orville H., 71 West 94th st. Urban, Charles, 338 East 70th st. Van Holland, Jr., Henry, 442 West 57th street. Vecchio, Louis, 50 Spring street. Weissblatt, Murray, 307 Lenox av. Whiteside, George W., 251 West 133d street. Wilcox, Curtis L., 163d street and Grand Boulevard. Wilcox, John R., 163d street and Grand Boulevard. Wild, James H., 316 East 125th st. L., 434 East 15th street.</p>
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SUB-FRESHMAN—CLASSICAL.

<p>Abelson, Isaac J., 12 Rutger Place. Abramowitz, Herman, 322 Cherry street. Adler, Harry C., 114 West 77th st. Alten, Jos. R., 307 West 138th str. Apfel, O. E., 120 East 58th street. Ash, Isidor, 168 East 74th street. Brandler, Clarence G., 168 West 121st street. Becker, Charles C., 647 East 158th street, Melrose. Behren, Bernhard, 272 Rivington street. Benjamin, Henry C., 47 West 51st street. Berman, A., 95 Henry street. Berryman, Wilson Garfield, 301 West 45th street.</p>	<p>Blair, Robert Wesley, 122 West 19th street. Blumenfeldt, Max, 32 Attorney st. Boehm, August A., 33 West 89th st. Bogert, Van Zandt, 219 East 17th street. Bopp, Walter F., 39 Seventh st. Boyle, Edward M., 334 West 19th street. Brand, Samuel, 206 East 104th st. Brandmarker, Jacob L., 95 Attorney street. Braun, Jacob, 355 East Houston st. Brennan, Edward A., 445 West 57th street. Brennan, William G., 339 West 44th Brinckerhoff, Gilbert G., 1350 Fulton avenue.</p>
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- Briner, Harry A., 11 East 94th st.
 Brockway, Richard M., East, 231
 Brook avenue.
 Bromberg, Philip M., 223 East
 124th street.
 Brown, Edwin S., 598 East 143d st.
 Buchler, William P., 126 West 120th
 street.
 Bullowa, Ralph J. M., 46 East 66th
 street.
 Carey, James F., 133 Macdougall st.
 Caulkins, Charlie V. S., 82 Irving
 Place.
 Cecire, Joseph, 146 Mulberry street.
 Cherry, T. Harris, 531 West 152d st.
 Clark, Walter W., 609 East 136th st.
 Class, Franklin M., 326 Lenox av.
 Cohen, Morris W., 302 West 130th
 street.
 Cohn, Milton M., 56 West 119th st.
 Cohn, Samuel, 233 East 81st street.
 Cook, Stephen G., 111 West 12th st.
 Creighton, B. Donald, 20 West 12th
 street.
 Damon, Albert H., 201 West 124th
 street.
 David, Frank H., 33 West 126th st.
 Davidson, Isidor, 241 East 68th st.
 Davidson, Joseph, 101 East 116th st.
 Davies, Howard L., 66 East 96th st.
 Decker, Thompson W., 857 Lex-
 ington avenue.
 Dixon, John J. F., 32 West Hous-
 ton street.
 Donaldson, Frederick E., 113 West
 124th street.
 Donnelly, John Edward, 103 West
 74th street.
 Dordelman, William V., 440 East
 84th street.
 Dortch, J. Tyson, 324 East 27th st.
 Downey, William E., 158 West 44th
 street.
 Dressler, William B., 849 Amster-
 dam avenue.
 Drucker, Aaron P., 251 Delancey st.
 Dugan, Patrick C., 114 King street.
 Eddy, Frederick R., 102 West 61st
 street.
 Eiseman, Aaron, 126 Seventh av.
 Emelin, Michael J., 53 Stanton st.
 Ernst, Arthur O., 152 East 72d st.
 Fine, Harry, 36 Pike street.
 Fischer, Francis, 141 Essex street.
 Fischer, Francis, 167 Essex street.
 Flatto, Isaac, 1295 Third avenue.
 Flynn, Thomas E., 131 West 49th
 street.
 Foley, William P., 1403 Fifth av.
 Fox, Henry W., 345 Spring street.
 Frank David, 68 West 120th street.
 Frank, Samuel F., 132 East 47th st.
 Frankel, Edward, Jr., 217 East 17th
 street.
 Frankenthaler, Alfred, 45 St. Mark's
 Place.
 Franklin, Le Roy Ernest, 355 West
 14th street.
 Friedman, Max, 12 Laight street.
 Froemmert, Robert G., 689 East
 135th street.
 Gibbins, Roswell F., 263 West 11th
 street.
 Ginzler, Arthur, 126 Columbia st.
 Glanz, Hyman, 74 Norfolk street.
 Glasberg, Otto A., 159 Essex street.
 Glusker, Charles, 109 Broome st.
 Goepel, Carl P., 2350 Seventh av.
 Goldschmidt, Alexander, 1917 Mad-
 ison avenue.
 Gottlieb, Henry A., 57 East 132d st.
 Graham, Arthur B., 66 Washington
 Place.
 Greenstone, Julius H., 202 East
 Broadway.
 Greensweig, Maurice, 245 Riving-
 ton street.
 Gross, Arnold, 242 East 87th st.
 Grossman, William, 123 Goerck st.
 Grüher, Herman, 120 Ridge street.
 Haas, Jacob, 163 Allen street.
 Hahn, Herbert S., 2067 Third av.
 Hamburger, Gabriel, 64 Columbia
 street.

Harris, Arthur Henry, 73 East 85th street.
 Harris, Walter, 329 East 57th street.
 Harron, James R., 118 East 93d st.
 Haupt, George, 401 East 72d street.
 Hays, Harold, 174 West 80th st.
 Healy, Bernard J., 225 East 73d st.
 Healy, John T., 225 East 73d street.
 Hebbard, Franklin, Jr., Hull avenue, Bedford Park.
 Heckstein, Sam, 163 Stanton st.
 Hellman, Alfred M., 15 East 92d st.
 Henschel, Louis, 1239 Washington avenue.
 Hirsch, Henry, 300 Santon street.
 Hirsch, Louis A., 409 East 56th st.
 Hirsch, L. J., 276 East Broadway.
 Hirschman, Joseph, 104 East 78th street.
 Hirshfeld, Milton, 116 East 95th st.
 Holstein, Samuel, 6 Willett street.
 Hooper, Edward P., 1070 Park av.
 Horowitz, Benjamin, 247 Monroe street.
 Hotchner, Henry, 108 East 90th st.
 Houston, Charles A., 141 West 62d street.
 Howe, Arthur Lenox, 137 West 128th street.
 Hunter, Reginald D., 200 West 14th street.
 Isaacs, Harry E., 20 East 115th st.
 Jacobs, Leo., 242 East 30th street.
 Jaeger, Jerome S., 234 East 71st st.
 Janssen, Henry John, 323 East 49th street.
 Jordan, Cyrus Victor, 128th street.
 Judge, James J., 669 East 157th st.
 Kahn, Marks, 39 Rutgers street.
 Kahrs, John D., 1592 Lexington av.
 Kamber, Hyman L., 246 Clinton st.
 Kaplan, Mark, 130 Madison street.
 Kastner, Isidor M., 428 East 57th street.
 Kauvar, Charles H., 736 Lexington avenue.
 Keane, Willie E., 227 East 32d st.

Kennedy, Daniel R., Jr., 152 West 105th street.
 Kennedy, Roscoe E., 65 West 36th street.
 Klein, Henry I., 223 Seventh street.
 Klein, Henry I., 34 West Houston street.
 Knickerbocker, Edwin V. B., 145 West 128th street.
 Koblenzer, Maurice A., 234 East 78th street.
 Kohn, Arnim, 162 East 111th street.
 Kohn, Walter Thomas, 161 East 93d street.
 Koen, Raphael, 61 East 60th street.
 Kraker, David A., 2701 Eighth av.
 Kraus, Jesse, 331 Stanton street.
 Kufeld, Max, 316 East Fourth st.
 Landauer, Clifford D., 342 East 72d street.
 Langenbahn, Theodore, Jr., 429 East 69th street.
 Lee, Joseph W., 19 Jane street.
 Lehr, Max, 115-117 Essex street.
 Leibovitz, Samuel, 111 Orchard st.
 Leonard, John J., 335 East 32d st.
 Lewine, Irving I., 813 Lexington avenue.
 Lewis, Samuel, Jr., 40 Delancey st.
 Lewis, Warrington G., 101 Perry st.
 Lichtenstein, Walter G., 88 West 89th street.
 Lobel, Jacob, 222 Henry street.
 Lovering, Paul H., 49 Grove street.
 Low, Eugene, 102 West 58th street.
 Lowenberg, Reuben, 112 Eighth av.
 Luce, Milton, 18 West 61st street.
 Mack, Wilfred Whaley, 471 Lenox avenue.
 McClenan, William, 872 Lexington avenue.
 McCormack, James Edward, 148 Willis avenue.
 McKay, John Francis, 351 West Fourth street.
 McKibbin, Samuel, 370 West 35th street.

- McMahon, William J., 499 Third av
McParlan, John Richard, 880 East
135th street.
McQuilland, George Thomas, 676
Ninth avenue.
Madigan, James Joseph, 55 West
84th street.
Magie, William Elston, 17 West
119th street.
Manisof, Joseph, 11 Bleecker street.
Mantiband, Jacob, 273 East Third
street.
Marblestone, Joseph, 65 Pitt street.
Marks, Joseph Bensaden, 22 East
91st street.
Marony, Robert John Louis, 684
East 134th street.
May, Gustave Henry, 101 West 89th
street.
Medl, Robert Caspar, 1727 First av.
Merrill, George Adam, 103 West
104th street.
Michaelson, Louis Bennett, 108 Di-
vision street.
Milliken, David L., 150 West 133d
street.
Moeller, Henry M., 6 West 75th st.
Murphy, James Francis, 752 East
140th street.
Murphy, William Richard, 262
West 24th street.
Muskattenblut, Joseph, 103 East
Broadway.
Neuman, Harry S., 604 Lexington
avenue.
Neumann, Henry, 513 East 86th st.
Neuman, Isidoré, 96 Goerck street.
Neuman, Morris, 109 Lewis street.
Neuwelt, Louis, 118 East 116th st.
Newman, Charles, 129 East 116th st.
Newman, Henry Royal, 128 West
87th street.
Nides, Samuel, 227 West 121st st.
Orr, Joseph Kyle, 215 West 15th st.
Olcott, Mestre, 30 West 128th st.
O'Melia, Clarence Augustine, 10
Bradhurst avenue.
Orr, William Howell, 1779 Topping
street.
Ortman, Max, 116 Essex street.
Paley, Herman, 62 Catharine street.
Parfenoff, Nicholas, 439 West 32d
street.
Paterno, Charles, 129 West 101st st.
Picker, Louis Max, 9 Rutgers Pl.
Pius, Charles, 863 First avenue.
Piza, R. Herbert, 495 Lexington
avenue.
Pletz, Harry John, 290 Tenth av.
Polesky, Henry Benjamin, 54 Ave-
enue D.
Popper, William J., 330 East 54th
street.
Poyntz, Francis William, 473 West
145th street.
Prince, Leopold, 223 East Broad-
way.
Prokesch, Sol. Z., 11 East Houston
street.
Pulvermacher, William D., 228 East
86th street.
Rathbun, William E., 1989 Madi-
son avenue.
Raucher, Hammed ben Zion, 49
Essex street.
Ray, Edgar T., 416 West 53th st.
Raymond, Alexander G., 217 West
71st street.
Riggio, Louis D. C., 1500 Park av.
Roeder, Jehial Maurice, 174 East
95th street.
Rogers, John H., 629 East 161st st.
Rooney, William E., 301 East 69th
street.
Rosenbaum, Joseph, 52 Essex st.
Rosenbaum, Morris, 73 Cannon st.
Rosenberg, Bernard, 33 West 44th
street.
Rosenthal, Morris, 169 Essex st.
Rosentreter, Isaac W., 328 East
123d street.
Rosenweig, Abraham, 1777 Third
avenue.
Roth, Louis J., 108 Lewis street.

Rothschild, Solomon, 337 East 51st street.
 Rubenstein, Herman J., 95 Forsyth street.
 Rutsky, Morton Scotlander, 3 West 128th street.
 Samisch, Arnold, 70 West 114th st.
 Satenstein, David, 236 East B'way.
 Saymon, Ignatz, 101 Stanton st.
 Schiffmann S., 38 Willett street.
 Schlosberg, Samuel, 40 Delancey st.
 Schoenfeld, Milton, 245 East 123d street.
 Schwartz, Louis, 132 Avenue D.
 Schweers, Alfred Radeke, 340 West 84th street.
 Schweitzer, Isidor S., 158 East 52d street.
 Sebiri, Charles, 102 East 107th st.
 Selig, Joseph, 108 East 116th street.
 Shannon, Joseph Aloy, 528 West 51st street.
 Silberstein, Emanuel Isreal, 419 East Houston street.
 Sinsheimer, Jerome Monroe, 251 West 132d street.
 Solomon, Louis Elias, 736 Lexington avenue.
 Spiegel, Leo., 317 East 30th street.
 Spielberg, Harris, 119 Suffolk st.
 Steindler, Emanuel M., 306 West 121st street.
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 Taylor, Arthur N., 312 West 106th street.
 Topper, William, 159 Orchard st.
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Underhill, Gardiner F., Jr., 465 East 177th street.
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 Van Raalte, Joseph, 124 West 84th street.
 Vogel, Jerome J., 4 East 80th street.
 Waldman, Martin, 604 East Sixth st.
 Warts, Alex. B., 580 Lexington av.
 Weene, Bernard, 321 East 78th st.
 Weill, Eugene A., 494 Eighth av.
 Weinberger, Joseph, 100 Cannon st.
 Weinstein, Isaac, 63 East B'way.
 Werner, Isidore H., 26 East 81st st.
 Wertz, Charles, 620 East 11th st.
 Wien, Francis, 1057 Lexington av.
 Wiener, Bernard, 155 Rivington st.
 Wiener, Solomon, 1003 Madison av.
 Wiggers, Emil A., 209 East 59th st.
 Wile, Oscar, 304 West 89th street.
 Wilson, Henry McL., 6 Henderson Place.
 Witt, Abraham F., 240 East 107th street.
 Witzell, Martin G., 100 East 128th street.
 Wohl, Albert A., 722 East Ninth st.
 Wolf, Nathan, 736 Lexington av.
 Wolf, William, 223 West 115th st.
 Wolff, Marks, 83 Monroe street.
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 Woodruff, Isaac O., Jr., 152 West 78th street.
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 Zipser, William V., 149 Rivington street.

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Agramonte, Albert A., 110 Lexington avenue.
 Albert, Samuel J., 78 Orchard st.
 Alexander, George M., 28 West 115th street.
 Ansoerge, Percy I., 61 West 134th st.
 Anthony, Eugene, 66 Grove street.

Ash, Frank, 790 Lexington avenue.
 Bambach, George F., 982 Sixth av.
 Barker, John E., 169th street, Walton avenue.
 Barnett, Samuel, 27 Eldridge st.
 Bateson, Richard H., 146 West 95th street.

Baumgarten, William E., 826 Morris avenue.
 Beck, Louis, 199 East Houston st.
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 Beneville, Regis, 414 East 116th st.
 Berkowitch, Louis, 29 Attorney st.
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 Bloom, Harry, 75 Canal street.
 Blum, Edwin, 17 East 65th street.
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 Bohan, Owen W., 411 West 49th st.
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 Burns, James J., 603 East 141st st.
 Butts, Arthur C., 1004 Trinity av.
 Caplan, Max, 147-149 Clinton st.
 Carlin, John J., 187th street and Kingsbridge road.
 Charosh, Israel, 302 East Third st.
 Cohen, Henry L., 122 East 86th st.
 Cohen, Isaac, 456 Grand street.
 Cohen, Moise K., 105 East 73d st.
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 Corkey, Joseph A., 434 East 66th street.
 Corvan, James E., 242 West 55th st.
 Crowe, Edwin R., 594 East 136th st.
 Curtin, William J., 761 East 166th street.
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 Etzel, Albert H., 657 West End av.
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 Ferguson, John B., 743 Eighth av.
 Ferkin, Benjamin, 182 Henry street.
 Feuerbach, Lawrence E. J., 332 West 47th street.
 Fluegelman, Isidor, 16 St. Mark's Place.
 Fondiller, Simon, 123 East 119th st.
 Frank, Arthur, 358 East 79th street.
 Frankel, Max, 156 East 109th st.
 Frankelberg, Herry, 25 Lewis st.
 Fridiger, Lewis, 3297 Third avenue.
 Friedenbergl, Albert M., 124 East 64th street.
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Goldstein, Henry P., 166 East 108th street.
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 Hacker, Rudolph, 10 East 114th st.
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 Herriman, Rudolph F., 330 East 89th street.
 Heymann, William, 221 East 104th street.
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 Hunter, George Henry, 368 West 35th street.
 Hurwitz, Joseph, 10 Suffolk street.
 Hussakof, Louis, 99 Norfolk street.
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Kahn, Joseph, 237 Henry street.
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 Kindlund, Martin G., 367 West 22d street.
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 Levine, Edward, 64 East Broadway.
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 Levy, Marcel, 235 West 112th street.
 Libman, Abram, 180 East 64th st.
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 Loughrey, Augustine P., 332 East 17th street.
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 Mackby, Julius C., 104 East B'way.
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 Malowanzky, Charles, 60-62 Eldridge street.
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 Martin, John L., 100 West 89th st.
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 Mayer, Simon, 31 Pike street.
 Mendelson, Leo, 1723 Madison av.
 Meyer, L. B., 132 West 132d street.
 Meyer, Walter S., 16 West 114th st.
 Meyer, Walter, 16 West 114th st.

Miller, Frederic W., 997 Jackson avenue.
 Minsky, Abram H., 106 East 105th street.
 Mittenthal, Joseph, 23 Delancey st.
 Moran, Harry P., 1983 Madison av.
 Mork, Waldo, 348 East 51st street.
 Murphy, John J., 497 Ninth avenue.
 Nagourney, Isidor, 86 Essex street.
 Neustadt, Herbert M., 136 East 65th street.
 Norton, M. Frank, 562 Mott av.
 Ochsenreiter, Harold T., 11 West 115th street.
 Oppenheim, Louis, 141 East 111th street.
 Oppenheimer, G. A., 8 West 75th st.
 Oppenheimer, Leon N., 44 West 119th st.
 Pettit, George, 2276 Eighth avenue.
 Petraglia, Joseph L., 210 Elm st.
 Phillips, Samuel, 222 Henry street.
 Pincus, Aaron J., 115 Stanton st.
 Polacsek, Morris, 524 Grand street.
 Prager, William L., 311 East 49th street.
 Puckhafer, Charles C., 337 Willis avenue.
 Puckhafer, George J., 337 Willis av.
 Pullen, Thomas D., Bush st., Tremont.
 Rabinowick, Alex. S., 43 Canal st.
 Radgik, Benjamin, 185 Henry st.
 Ray, Thomas F., 416 West 55th st.
 Rechenberg, Carl F. W., 221 West 104th street.
 Reich, Benjamin, 237 Delancey st.
 Rinaldo, Harry, 109 East 76th st.
 Roberts, Alfred, 1599 Lexington av.
 Robinson, Robert, 25 Rutgers Pl.
 Roby, Alfred, 26 East 22d street.
 Rosenblatt, Jacob, 26 Allen street.
 Rosenblüth, Pincus, 327 East Houston street.
 Ruskay, B. D., 2086 Washington av.
 Ruskay, Everett S., 2086 Washington avenue.
 Salomon Sidney M., 12 East 87th st.
 Sands, David, 998 Trinity avenue.
 Sanguinetti, Philip C., 126 West 96th street.
 Scanlan, Thomas A., 27 Manhattan street.
 Schiff, Jacob Reuben, 178 Ludlow street.
 Schlanyack, Max, 1341 Second av.
 Schlesinger, John Meyer, 213 East 61st street.
 Schlivek, Kaufman, 476 Grand st.
 Schmidt, Frederick Sommer, 90 Second avenue.
 Schreiber, Henry, 136 Avenue D.
 Schumacher, Charles John, 301 West 134th street.
 Scott, Thomas R., 164 Ninth av.
 Sheitlis, David, 262 Cherry street.
 Silberfeld, Julius, 161 Orchard st.
 Silberman, Frank, 206 Rivington st.
 Simmonds, Joseph Henry, 138th street, Tenth avenue.
 Simpson, Walter Booth, 458 West 24th street.
 Skernewitch, Abraham Marcus, 179 East Broadway.
 Smit, David J., 1837 Lexington av.
 Smith, Elbert Osborne, 535 West 159th street.
 Smith, G. Waldo, 313 West 46th st.
 Solomon, Louis Arlington, 230 Henry street.
 Steeves, Harrison Ross, 427 Mott avenue.
 Stengel, Henry, 92 Second avenue.
 Sternberg, Max, 22 East 109th st.
 Stewart, Walter, 123 West 11th st.
 Straus, Joseph, 235 First avenue.
 Stuart, Joseph A., 327 East 37th st.
 Sutcliff, Walter J., 213 East 36th st.
 Tennant, William, 213 East 37th st.
 Tierney, John J., 227 Park Row.
 Tirman, Samuel, 122 Lewis street.
 Urdang, Julius, 69 Monroe street.
 Ward, Gilbert Oakley, 347 Manhattan avenue.

Waxel, Lionel, 29 East 63d street.
 Wehle, Edgar Charles, 68 West 95th street.
 Weil, Emanuel Joseph, 146 West 75th street.
 Weil, Solomon, 1335 Lexington av.
 Weill, Nathan, Hebrew Orphan Asylum, 136th, 138th streets, Amsterdam avenue.
 Weislowitz, Otto, 719 East Fifth st.
 Weissman, Charles, 150 Monroe st.
 Werbin, Israel, 186 Allen street.
 Whitney, Benjamin, 1765 Park av.

White, Bertram Reynolds, 616 Lexington avenue.
 White, Francis Joseph, 16 East 41st street.
 Wilkinson, James Edward, Jr., 337 West 31st street.
 Windheim, August Henry, 126 Broome street.
 Wolf, Jacob, 33 Essex street.
 Woolf, Edgar Allan, 728 West End avenue.
 Yog, Martin, 3 Canal street.
 Zucker, Arthur, 1227 Madison av.

SUB-FRESHMAN—MECHANICAL.

Abramson, Samuel, 29 Attorney st.
 Adams, Albert G., 414 West 57th st.
 Bernstein, Louis, 132 Broome st.
 Bingay, Benj. B., 21 Grove street.
 Bjurstrom, Julius, 306 East 28th st.
 Bloom, Edward J., 526 East 86th st.
 Blume, Louis, 320 West 115th st.
 Boehnel, William, 24 Sutton Place.
 Brady, William Henry, 764 W. Boulevard.
 Briner, Oscar, 620 Lexington av.
 Brown, Alexander, 270 West 96th street.
 Bryant, Frank M., 160 West 95th st.
 Buckenham, Archibald, 54 King st.
 Bullock, Forrest W., 158 West 129th street.
 Burke, Joseph, 464 West 146th st.
 Callahan, Joseph T. P., 443 East 121st street.
 Camp, Alfred, 350 Lenox avenue.
 Casey, Schuyler, 2146 Seventh av.
 Cassen, Abner, 314 Madison st.
 Charlton, Melville, 418 Sixth av.
 Clark, Francis Morton, 19 West 126th street.
 Clark, Walter L., 37 West 84th st.
 Clinch, Henry, 205 East 93d street.
 Conant, Stuart M., 42 West 48th st.
 Connelly, Douglas Logan, 995 Morris avenue.

Cross, Robert, 676 Ninth avenue.
 Cummings, John Joseph, 628 West 143d street.
 Dick, Philip F., Jr., 37 Grove street.
 Doernberg, Milton, 127 East 95th street.
 Donnelly, Thomas F., 103 West 74th street.
 Duncanson, Walter, 109 West 94th street.
 Eisler, Fred., Suburban Club, Kingsbridge.
 Ellendt, John, 1950 Main street, West Farms.
 Ferguson, Robert Lamont, Jr., 559 West 141st street.
 Finkenaar, William Milne, 208 West 104th street.
 Flandreau, Theodore Francis, 207 West 95th street.
 Flynn, Bartholomew Aloyious, 344 East 60th street.
 Freund, Harry Paul, 796 Lexington avenue.
 Frucht, Simon, 126 East Fourth st.
 Fullwood, Chester, 1 King street.
 Gahrens, Herman, 71 West 92d st.
 Gallagher, George Benjamin, 575 Tenth avenue.
 Giraldi, Raymond, 358 West 116th street.

Gilbert, Samuel, 30 Carmine street.
 Gandolfo, J. R., 245 East 19th st.
 Goodhart, Ellmore H., Jr., 57 West 84th street.
 Gottfried, John, 365 East Fourth st.
 Graff, Leslie De Witt, 358 West 51st street.
 Grant, Oliver Remick, 2236 S. Boulevard.
 Greacen, Samuel L., 307 West 33d street.
 Gerald, William Griffin, 423 East 52d street.
 Guedalia, Edgar Nathan, 220 East 60th street.
 Guertin, Clifford D., 1232 Freeman street.
 Guthman, Seymour, 109 West 133d street.
 Hagen, William C., 213 East 26th street.
 Hanlein, Theodore John, 122 East 92d street.
 Hantsche, Ernest, 238 East 48th st.
 Hecht, Milton, 1502 Second avenue.
 Heidelberger, Frederick William, 832 Eighth avenue.
 Herfort, Paul, 153 East 89th street.
 Jackson, Harry Laurence, 888 Cauldwell avenue.
 Jacoby, Arthur, 311 Broome street.
 Jones, Bevan, 75 West 92d street.
 Jonson, Edwin Herbert, 321 East 124th street.
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 Kay, William Russel, 202 West 31st street.
 Kayser, William D., 1063 Lexington avenue.
 Kelher, Thomas Francis, 349 Third avenue.
 Kennelly, William, 116 West 104th street.
 Klein, David, 111 Lewis street.
 Kleinman, Abraham, 171 Rivington street.

Klipper, William, 415 St. Nicholas avenue.
 Künzli, Henry A., 401 West 48th st.
 Kurrus, Frederick A., 317 West 12th street.
 Lagerwall, Charles J., 311 East 69th street.
 Lambert, Abram H., 437 East 119th street.
 Landau, Max, 1482 Second avenue.
 Laredo, Abraham, 25 East 110th st.
 Liebmann, Leo G., "St. Lawrence," 88th street, Madison avenue.
 Lucke, Herbert R., Kings Bridge.
 Luz, George, 353 West 42d street.
 McGovern, George W., 148 East 63d street.
 McMerny, Edward James, 179th street, Tenth avenue.
 Mapes, Charles M., 44 East 129th street.
 Martin, Fred. J., 428 West 47th st.
 Martini, Frederick J., 428 West 47th street.
 Meierdiercks, John William, 701 East 138th street.
 Mentzel, Charles, 307 East 55th st.
 Moeller, Christian, 244 West 56th street.
 Möller, William, 1065 Park avenue.
 Morgan, George J., 566 Third av.
 Müller, Arthur R. C., 101 East 79th street.
 Murray, Thomas J., 500 West 142d street.
 Neu, S. Sidney, 65 East 61st st.
 Nichols, Arthur W., 232 West 34th
 Pelican, Frank, 416 East 73d st.
 Rein, Arthur Murray, 41 East 133d
 Robie, Joseph, 849 East 165th st.
 Rosenbaum, Henry J., 253 West 121st street.
 Rosenbaum, Nathan, 253 West 121st street.
 Ryan, John J., 2432 Eighth avenue.
 Schaefer, Edward Franklin, 56 West 132d street.

Schmidt, Carl G. A., Jr., 101 East 80th street.

Schroeder, Louis C., 26 West 13th street.

Schumer, Jacob H., 247 Broome st.

Sewards, Robert L., 1839 Madison avenue.

Silverman, Henry, 776 Second av.

Smith, Carl H., 226 Lexington av.

Smyth, Samuel J., 405 East 61st st.

Solomon, Morris, 122 Ridge street.

Specht, Charles, 1588 Second av.

Steel, Herman David, 108 Eldridge street.

Thompson, Louis C., 950 East 166th street.

Trede, George M., 605 West 187th street.

Waters, Rossiter Lester, 45 West 70th street.

Weiss, Morris, 111 Ridge street.

Weisser, Henry A., 29 Stanton st.

Welsh, Joseph H. A., 86th street, Riverside Drive.

Whitcup, Philip, 425 East 85th st.

Williamson, Alfred, 110 West 91st street.

Wilner, Elias, 536 East Fifth street.

UNIVERSITY OF THE STATE OF NEW YORK.

The College of the City of
New York.

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1896-1897.

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Professor of History.

WILLIAM STRATFORD, M.D., PH.D.,
Professor of Natural History.

CASIMIR FABREGOU, A.M.,
Professor of the French Language and Literature.

GEORGE EDWARD HARDY, A.M.,
Professor of the English Language and Literature.

INSTRUCTORS.

WILLIAM GEORGE MCGUCKIN, A.B., LL.B.,
Instructor in History.

JOHN ROBERT SIM, A.B.,
Instructor in Pure Mathematics.

LEIGH HARRISON HUNT, M.S., M.D.,
Instructor in Descriptive Geometry and Drawing.

IVIN SICKLES, M.S., M.D.,
Instructor in Natural History.

CALVIN RAE SMITH,
Instructor in Descriptive Geometry and Drawing.

CHARLES AVERY DOREMUS, M.D., PH.D.,
Instructor in Chemistry and Physics.

GUSTAVE LEGRAS, B.S.,
Instructor in Pure Mathematics.

LEWIS FREEMAN MOTT, M.S.,
Instructor in the English Language and Literature.

ERNEST ILGEN, A.B.,
Instructor in the German Language and Literature.

JOHN J. McNULTY, PH.D.,
Instructor in Moral and Intellectual Philosophy.

C. HOWARD PARMLY, M.S., E.E.,
Instructor in Applied Mathematics.

STANISLAS C. CONSTANT,
Instructor in the French Language and Literature.

AUGUST RUPP, A.B.,
Instructor in the Latin Language and Literature.

JOHN ALFRED MANDEL,
Instructor in Chemistry and Physics.

CHARLES A. DOWNER,
Instructor in the French Language and Literature.

WILLIAM FOX, B.S., M.E.,
Instructor in Applied Mathematics.

TUTORS.

LUIS ALEJANDRO BARALT, A.B., M.D.

HENRY G. KOST, B.S.

L. HEINRICH FRIEDBURG, PH.D.

JAMES HERVEY DE GROADT.
WALTER O'BRIEN, M.D.
ERNEST N. PERRIN, A.B., LL.B.
HOWARD S. MEIGHAN, B.S., LL.B.
FREDERICK G. REYNOLDS, B.S.
HAROLD E. LIPPINCOTT, M.S., LL.B.
EDMUND BURKE, A.B.
HENRY S. CARR, A.M.
SAMUEL HANAWAY, B.S.
FRANZ SIGEL, JR., B.S.
GEORGES AUGÉ, A.B.
ARTHUR BRUCKNER, B.S.
CONRAD H. NORDBY, B.S.
ROBERT F. SMITH, B.S.
GABRIEL ENGELSMAN, PH.D.
WALTER TIMME, B.S.
GASTON A. LAFFARGUE, A.B.
BERNARD NAUMBURG, A.B.
HARRY C. KROWL, A.B.
CLARENCE GALICENSTEIN, B.S.
PAUL L. SAUREL, B.S.
STEPHEN P. DUGGAN, B.S.
MOSES S. LEVUSSOVE, B.S.
Temporary Tutors,
LIVINGSTON B. MORSE, B.S.
CHARLES W. THOMAS.
Special Instructor in Elocution,
ROBERT H. HATCH.

HENRY MAYELL,
Secretary to the President.
HENRY EVELYN BLISS,
Deputy Librarian.
JAMES TOHER,
Assistant in Office and Repository.
MICHAEL F. BONNEY,
Janitor.
JAMES REED,
Engineer.

THE COLLEGE.

The College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State, passed May 7, 1847, and ratified by a vote of the people of the city, June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges, and to visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was, by Act of Legislature, made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text-books and apparatus; and there is no expense whatever to be borne by the students.

TERMS, VACATIONS, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September, and closes on the fortieth Thursday thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive; and the Spring vacation, the week in which occurs the 1st day of May. There are no College exercises on legal holidays, or on any Friday immediately following a legal holiday.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before Commencement Day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Spelling, English Grammar, Arithmetic, Geography, History of the United States*, and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they came are made known to the instructors conducting the examination, but each candidate is designated, during the examination, by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examinations in June, special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the

same examination as the students of the class to which he may seek admission.

To be admitted to examination, candidates present to the President of the College certificates in due form, signed by the Principals of the schools which they have attended, and specifying the dates and length of time of their attendance.

Every student, on leaving the institution, after one year, with a good character, is entitled to a certificate stating the period he has been in the College and the studies there pursued by him, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission, his name is stricken from the rolls, and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty, in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 13 to 21.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course gives a special prominence to the Latin and Greek languages, but includes one modern language also in the Senior year. It leads to the degree of Bachelor of Arts. In the Scientific and Mechanical Courses, more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of Mechanical

Science during the Senior year and in making practice in the workshop and mechanical laboratory obligatory to the extent of four hours a week, on an average, during the entire course. The time for this extra work is provided, in part, by the omission of a portion of the work in Natural History and Philosophy and the omission of a third language in the Senior year, and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty. In addition to the above a course in Elementary Mechanical Drawing is introduced in place of some of the free-hand drawing in the three lower classes.

In the Classical and Scientific Courses, workshop practice is permitted in the afternoons, as far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

In addition to the lectures and recitations indicated in the following schedule, there are exercises in oratory and declamation in the Chapel every morning, when one Senior, one Junior and one Sophomore speak before the whole College.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.		Hours per week.
English Language.....	{ <i>Hill's Foundations of Rhetoric, Selections</i> }	3
	{ <i>from Irving's Sketch Book,</i>	
Latin.....	<i>Allen and Greenough's Grammar, Leighton's Lessons,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Drawing from Flat and Round.....		3
Elements of Physics	<i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language.....	{ <i>Hill's Foundations of Rhetoric, Selections</i> }	3
	from <i>Longfellow's Evangeline</i> ,	
Latin	as in first term,	5
Algebra	Wentworth,	2
Geometry	Davies' Legendre,	3
Botany.....	Kellerman,	2
Free-hand drawing from Flat and Round		3
Elements of Physics.....	as in first term,	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary Reader, Lang's Blue Poetry Book,</i>	2
Latin.....	{ <i>Herbermann's Sallust, Allen and Greenough's Grammar, Prose Composition,</i>	3
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i>	3
History.....	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Descriptive Geometry.....	<i>Woolf,</i>	2
Zoölogy.....	<i>Lectures and Orton,</i>	2
Compositions.		

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
	<i>Reader, Scott's Lady of the Lake,</i>	
Latin.....	<i>Cicero's Orations, Grammar and Prose Composition,</i>	3
Greek.....	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>	3
History... ..	<i>Myers' Modern and Freeman's General Sketch,</i>	3
Geometry	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration..	{ <i>Wheeler, Compton's Manual,</i> }	3
	<i>Loomis' Logarithms.</i>	
Zoölogy	<i>as in first term,</i>	2
Shades and Shadows and Perspective		2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

Hours
per week.

English Language and Literature.....	<i>Shaw's English Literature,</i>	2
Rhetoric.....	{ <i>Genung's Rhetoric, and Handbook of Literary Analysis, Shakespeare's Julius Cæsar,</i> }	2
Logic.....	.....	1
Latin.....	<i>Frieze's Virgil's Æneid, Grammar, Prose Composition,</i>	2
Greek.....	{ <i>Goodwin's Grammar and Anabasis, Arnold's Prose Composition,</i> }	3
History.....	.....	2
Chemistry.....	<i>Clowes' Practical and Analytical Chemistry,</i>	2
Spherical Trigonometry, Surveying and Navigation.	<i>Wheeler and Docharty,</i>	3
Free-hand Drawing—Course of Ornament.....		3
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English Literature.....	<i>Shaw's English Literature,</i>	2
Rhetoric.....	{ <i>Genung's Rhetoric, and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i> }	2
Logic.....	.....	1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i>	2
Greek... {	<i>Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito,</i> }	3
History.....	.....	2
Chemistry.....	.....	2
Analytical Geometry.....	<i>Peck,</i>	3
Drawing—Study of the Human Form.....		3
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry... {	<i>Arnold's Manual of English Literature, Swinon's Studies in English Literature, Burke's Speech on Conciliation, Ward's English Poets,</i> }	2
Latin ... {	<i>Anthon's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> }	4
Greek..... {	<i>Goodwin's Greek Grammar. Arnold's Prose Composition, Demosthenes' Orations,</i> }	3
Political Science*.....	<i>Lectures, Woolsey's International Law,</i>	2
Mechanics and Acoustics.....	<i>Lectures and Bartlett,</i>	4
Chemical Physics.....	<i>Pyncheon,</i>	2
History... {	<i>Lectures and Eliot's History of the U. S., Hart's Formation of the Union, Cooley's Constitutional Law,</i> }	2
Anthropology, Zoölogy.....	<i>Lectures, and Tenney and Orton,</i>	1
Original Declamations.		

* In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Language and Literature, Prose....	{ <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Macaulay's and Carlyle's Essays on Johnson, Craik's English Prose,</i>	2
Latin.....	{ <i>Cicero's Letters, Horace's Satires and Epistles, Prose Compositions,</i>	4
Greek.....	{ <i>Grammar and Prose Composition, Selections from Iliad or Odyssey of Homer,</i>	3
Optics and Astronomy.....	<i>Lectures and Bartlett, Newcomb,</i>	4
Political Economy.....	<i>Lectures and Andrews' Political Economy,</i>	2
Chemical Physics.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	2
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German or French or Spanish	{ <i>Sheldon's Grammar, Whitney's Reader, Complete French Course based on Chardenal, Freeborn, Morceaux Choisis d'Alph. Daudet, Ollendorff's Grammar, Morales' Reader, Butler's Phrases, Iriate's Fables, Roemer's Spanish Polyglot, and English Polyglot.</i>	4
Latin ...	{ <i>Crutwell's Roman Literature, Grammar, Harrington's Plautus,</i>	3
Greek.	{ <i>A play of Æschylus or Sophocles or Euripides, Selections from Herodotus and Thucydides, Jevons' Greek Literature, Grammar, Arnold's Prose Compositions,</i>	3
English.....	<i>Shakespeare's Hamlet,</i>	1
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
{ Psychology.....	<i>Lectures and Janes' Human Psychology,</i>	4
{ Pedagogics*	<i>Lectures,</i>	4
Geology, Mineralogy, and Palæontology	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German.....	<i>as in first term,</i>	
{ French.....	<i>Demogeot, Textes Classiques, Vols. I, II,</i>	4
{ Spanish.....	<i>as in first term,</i>	
Latin.....	<i>Cicero's De Natura Deorum, Maclean's Juvenal,</i>	3
Greek.....	{ <i>A play of Aristophanes, Lectures on the Language and Literature, Jevons,</i>	3
English.....		1
History of Philosophy, Ethics..	<i>Lectures and Elmendorf, Janet, Ueberweg,</i>	4
Chemistry	<i>as in first term,</i>	3
Geology, Mineralogy, Palæontology.....	<i>as in first term,</i>	1
Æsthetics and the History of Art.....	<i>as in first term,</i>	1
Original Declamations.		

* Lectures on Pedagogics are delivered during the first term by the Professor of Philosophy.

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

FIRST YEAR—FIRST TERM.		Hours per week.
English Language.....	{ <i>Hill's Foundations of Rhetoric, Selections</i> }	3
	<i>from Irving's Sketch Book,</i> }	
French.....	<i>Complete French Course, based on Chardenal,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Anatomy.....	<i>Lectures,</i>	2
Free-hand Drawing from Flat and Round...		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English Language.....	{ <i>Hill's Foundations of Rhetoric, Long-</i>	}	3
	<i>fellow's Evangeline,</i>		
French.....	<i>Freeborn, Morceaux Choisis d' Alph. Daudet,</i>		5
Algebra	<i>Wentworth,</i>		2
Geometry.....	<i>Davies' Legendre,</i>		3
Botany.....	<i>Kellerman,</i>		2
Free-hand Drawing from Flat and Round.....			3
Elements of Physics.....	<i>as in first term,</i>		2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
	<i>Reader, Lang's Blue Poetry Book,</i> }	
French	<i>Demogeot, Textes Classiques, Vol. II,</i>	3
{ German.....	<i>Eysenbach's Grammar,</i> }	
{ or {	<i>Ollendorff, Morales' Reader, Butler's Phrases,</i> }	2
{ Spanish.....	<i>Iriarte's Fables,</i> }	
History.....	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Zoölogy.....	<i>Lectures and Orton,</i>	2
Descriptive Geometry.....	<i>Woolf,</i>	3
Compositions.		

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i>	2
	<i>Reader, Scott's Lady of the Lake,</i>	
French.....	as in first term,	3
{ German	} as in first term,	2
or		
{ Spanish.....		
History.....	<i>Myers' Modern and Freeman's General Sketch,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Loomis' Logarithms,</i>	3
	<i>Compton's Manual,</i>	
Shades, Shadows and Perspective.....		3
Zoölogy.....	as in first term,	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Literature.....	2
Rhetoric { <i>Genung's Rhetoric, and Handbook of Literary Analysis, Shakespeare's Julius Cæsar,</i> }	2
Logic.....	1
French.....	2
{ German <i>Hauff's Karavane, Eysenbach's Grammar,</i> }	3
{ or Spanish..... <i>Iriarte's Fables, Ollendorff, Roemer's Polyglot Readers,</i> }	
History.....	2
Spherical Trigonometry, Surveying and Navigation..	3
Free-hand Drawing—Course of Ornament.....	3
Chemistry.....	2
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English Literature.....	2
Rhetoric..... { <i>Genung's Rhetoric, and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i> }	2
Logic.....	1
French.....	2
{ German..... }	3
{ or Spanish..... }	
History.....	2
Analytical Geometry.....	3
Drawing—Study of the Human Form.....	3
Chemistry.....	2
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry... { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Burke's Speech on Conciliation, Ward's English Poets,</i> }	2
{ German..... <i>Pütz's Reader, Eysenbach's Grammar,</i> }	5
{ or Spanish..... { <i>Moratin, Don Quixote, Roemer's Polyglot Reader, Morales' Reader,</i> }	
Political Science.	2
Differential and Integral Calculus.....	3
Chemical Physics.....	2
History.... { <i>Lectures and Eliot's History of the U. S., Hart's Formation of the Union, Cooley's Constitutional Law,</i> }	2
Acoustics and Optics and Heat....	3
Anthropology, Zoölogy....	1
Original Declamations.	

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Language and Literature, Prose....	{ <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Macaulay's and Carlyle's Essays on Johnson, Craik's English Prose,</i>	2
{ German or Spanish.....	{ }	as in first term, 5
Political Economy	<i>Lectures and Andrews' Political Economy,</i>	2
Differential and Integral Calculus	<i>as in first term,</i>	3
Chemical Physics.....	<i>as in first term,</i>	2
History.....	<i>as in first term,</i>	2
Acoustics and Optics and Heat.....	<i>as in first term,</i>	3
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German..... or Latin	{ <i>Sheldon's Grammar, Whitney's Reader, Grammar, Leighton's Lessons, Harkness' Cæsar, Herbermann's Sallust,</i>	5
{ or Spanish	{ <i>Ollendorff's Grammar, Butler's Phrases, Iriarte's Fables, Roemer's Polyglot Reader,</i>	
{ Psychology	<i>Lectures and Janes' Human Psychology,</i>	4
{ Pedagogics.....	<i>Lectures,</i>	
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Mechanics and Astronomy.	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
English.....	<i>Shakespeare's Hamlet,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German.....	<i>as in first term,</i>	
{ or Latin.....	{ <i>Grammar, Leighton's Lessons, Chace's Cicero, Frieze's Virgil's Æneid,</i>	5
{ or Spanish.....	<i>as in first term,</i>	
History of Philosophy, Ethics..	<i>Lectures and Elmendorf, Janet, Ueberweg,</i>	4
Chemistry.....	<i>as in first term,</i>	3
Mechanics and Astronomy.....	<i>as in first term,</i>	5
Geology, Palæontology and Mineralogy.....	<i>as in first term,</i>	1
Æsthetics and the History of Art.....	<i>as in first term,</i>	1
English.....		1
Original Declamations.		

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.			Hours per week.
English Language.....	{ <i>Hill's Foundations of Rhetoric, Selec-</i>	}	3
	<i>tions from Irving's Sketch Book,</i>	}	
French.....	<i>Complete French Course, based on Chardenal,</i>		5
Algebra	<i>Wentworth,</i>		5
Free-hand and Mechanical Drawing.....			3
Elements of Physics.....	<i>Lectures and Cooley,</i>		2
Workshop and Mechanical Theory	{ <i>Compton's First Lessons in</i>	}	5
	<i>Wood-working,</i>	}	

FIRST YEAR—SECOND TERM.

English Language.....	{ <i>Hill's Foundations of Rhetoric, Long-</i>	}	3
	<i>fellow's Evangeline,</i>	}	
French.....	{ <i>as in first term, and Freeborn, Morceaux</i>	}	5
	<i>Choisis d'Alph. Daudet,</i>	}	
Algebra.....	<i>Wentworth,</i>		2
Geometry	<i>Davies' Legendre,</i>		3
Free-hand and Mechanical Drawing.....			3
Elements of Physics	<i>as in first term,</i>		2
Workshop and Mechanical Theory.....	<i>as in first term,</i>		5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i>	}	1
	<i>Reader, Lang's Blue Poetry Book,</i>	}	
German.....	<i>Eysenbach's Grammar,</i>		4
French.....	<i>Demogeot, Textes Classiques, Vol. II,</i>		3
History.....	<i>Myers' General History,</i>		3
Algebra.....	<i>Loomis,</i>		2
Geometry.....	<i>Davies' Legendre,</i>		3
Descriptive Geometry and Mechanical Drawing.....	<i>Wolf,</i>		2
Workshop and Theory.....	<i>Compton's First Lessons in Metal Working,</i>		5
Compositions.			

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i>	}	1
	<i>Reader, Scott's Lady of the Lake,</i>	}	
German.....	<i>as in first term,</i>		4
French.....	<i>as in first term,</i>		3
History.....	<i>Myers' Modern and Freeman's General Sketch,</i>		3
Geometry.....	<i>Davies' Legendre,</i>		2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Loomis' Logarithms,</i>	}	3
	<i>Compton's Manual,</i>	}	
Shades, Shadows and Perspective, and Mechanical Drawing.....			2
Workshop and Theory	<i>as in first term,</i>		5
Compositions.			

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English Literature.....	2
Rhetoric.....	2
French.....	2
German.....	3
History.....	2
Spherical Trigonometry, Surveying and Navigation....	3
Drawing (Mechanical).....	3
Chemistry.....	2
Workshop and Theory.....	4
Compositions.	

THIRD YEAR—SECOND TERM.

English Literature.....	2
Rhetoric.....	2
French.....	2
German.....	3
History.....	2
Analytical Geometry.....	3
Drawing (Mechanical).....	3
Chemistry.....	2
Workshop and Theory.....	4
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Language and Literature, Poetry....	2
German.....	3
Political Science.....	2
Differential and Integral Calculus.....	3
Chemical Physics.....	2
History....	2
Drawing.....	2
Acoustics and Optics and Heat.....	3
Anthropology, Zoölogy.....	1
Workshop and Theory.....	3
Original Declamations.	

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Language and Literature, Prose....	{ <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Macaulay's and Carlyle's Essays on Johnson, Craik's English Prose,</i> }	2
German.....	as in first term,	3
Political Economy.....	<i>Lectures and Andrews' Political Economy,</i>	2
Differential and Integral Calculus.....	as in first term,	3
Chemical Physics.....	as in first term,	2
History.....	as in first term,	2
Acoustics and Optics and Heat.....	as in first term,	3
Anthropology, Zoölogy....	as in first term,	1
Workshop and Theory.....		3
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers.....		4
{ Psychology.....	<i>Lectures and Janes' Human Psychology,</i>	4
{ Pedagogics.....	<i>Lectures,</i>	
Chemistry.....	<i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy....	<i>Bartlett,</i>	5
Geology, Palæontology and Mineralogy	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
English.....	<i>Shakespeare's Hamlet,</i>	1
Workshop, Drawing and Theory.....		4
Original Declamations.		

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers.....		4
History of Philosophy, Ethics... <i>Lectures and Elmendorf, Janet, Ueberweg,</i>		4
Chemistry.....	as in first term,	3
Mechanics and Astronomy.....	as in first term,	5
Geology and Palæontology, Mineralogy.....	as in first term,	1
Æsthetics and the History of Art.....	as in first term,	1
English		1
Workshop, Drawing and Theory.....		4
Original Declamations.		

SCHEDULE

EXHIBITING THE SUBJECTS OF STUDY, TOGETHER WITH THE NUMBER OF WEEKLY RECITATIONS
PER CLASS AND TERM IN EACH SUBJECT.

	SUB-FRESH- MAN CLASS.		FRESHMAN CLASS.		SOPHOMORE CLASS.		JUNIOR CLASS.		SENIOR CLASS.	
	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.
LANGUAGES.....	3	3	2	2	2	2	2	2	1	1
	5	5	3	2	2	2	4	4	3	3
	3	3	3	3	3	3	3	3
	4	4
	5	5	3	2	2	2	..	..	{ 5 5 }	
	2	3	3	3	..	..
	5	5

	3	3	..	..	..	..	..	..

HISTORY.....

PHILOSOPHY.....

DEPARTMENTS OF STUDY.

The following statements are intended to explain the course of study in the several departments and the methods pursued :

ENGLISH LANGUAGE AND LITERATURE.

The course in English Language and Literature aims, in the first place, to stimulate and develop the students' power of expression and to enable them to say what they have to say clearly and correctly ; secondly, to guide them in the study of the history of English and American literature, not only as a chronological outline of authors and their works, but also as a critical estimate of their writings ; and, lastly, through the critical reading of some of the masterpieces of our language, to give the students a knowledge of literature itself and also the ability to appreciate it.

That students should be able to express their thoughts in writing, so that they will be clearly understood by others, is of the utmost importance. It is not too much to say that the power of exact expression comes only by systematic practice and training in the art of composition. To secure this power three things are necessary : frequent practice in composition, helpful criticism by the instructor, and, finally, intelligent remodeling of the work by the writers themselves. Every student, therefore, is required to write an essay on some prescribed literary subject, at least once in each term ; each essay is read in class where its precision of language and rhetorical construction are criticised by the class and the instructor ; the corrections are noted by the student and afterwards the essay is rewritten in whole or in part, as may be necessary. In addition, essays on subjects that have been studied are written once a month by all the students. These compositions test the students' comprehension of the work done in class ; moreover, the subject matter of these essays having been previously discussed, they afford the students excellent training in the art of composition, without drawing too largely or severely on their creative powers.

To aid the students in the work of composition, Hill's *Foundations of Rhetoric* is studied in the Sub-Freshman year ; Nichol's

English Composition, in the Freshman year; and Genung's *Rhetoric and Handbook of Rhetorical Analysis*, in the Sophomore year.

A more important means of assuring a true appreciation of literary form is the critical reading of the works of our best English and American authors. The knowledge of rhetorical rules can be made profitable only through the study of the masterpieces of our language. No one can write well in any language until he is thoroughly familiar with its literature as well as with its grammar. In the careful reading of the English and American classics will be found one of the best means of acquiring an accurate and practical knowledge of the English language. By the critical study of our great models students cannot fail to enlarge their vocabulary, to cultivate a nice sense of the meaning and force of words, to form a critical judgment, to refine their taste, and to obtain an insight into the development and growth of the English language and literature, that can be obtained in no other way. In order that the students may keep permanently before them models of literary form, prose and poetical extracts from the best authors are memorized in the four lower classes.

The course in English Literature is not, however, a study in literary analysis alone. Through sympathetic and intelligent reading and discussion of single works of our masters of prose and poetry, the course aims to foster in the students a love for reading, and to create in them a taste for the purest and highest in literature.

In the Sub-Freshman Class, Longfellow's *Evangeline* and selections from Irving's *Sketch Book* are critically read and studied; in the Freshman year, Lang's *Blue Poetry Book* and Scott's *Lady of the Lake*; in the Sophomore year, Shakespeare's *Julius Cæsar* and Webster's *Bunker Hill Orations*; in the Junior year, Burke's *Speech on Conciliation* and Macaulay's and Carlyle's *Essays on Johnson*.

The history of English and American literature is begun in the Freshman and completed in the Sophomore year. Shakespeare is the first author taken up. From Shakespeare, the stu-

dents pass to the consideration of the writers of the nineteenth century. When this period has been discussed, the literature of the preceding centuries is studied. In connection with the biographical and historical facts of the history of English and American literature, illustrative extracts from the works of the writers examined are read by the students; in almost every instance these illustrative selections are complete pieces. In this way the students may see for themselves the character and style of the different writers; they thus become more interested in their work and are encouraged to study more thoroughly the great masterpieces of English literature.

To attain these ends, Cathcart's *Literary Reader* is used in the Freshman year; Shaw's *Manual of English and American Literature* and Genung's *Handbook*, in the Sophomore year; Arnold's *Manual of English Literature*, Swinton's *Studies in English Literature*, Ward's *English Poets* and Craik's *English Prose*, in the Junior year.

Recognizing that the "reading of great books is a faculty to be acquired, not a natural gift," and that the object of reading is not to read everything that even the great writers have written, home courses in reading, both in prose and poetry, are outlined for the students; and in order that the books recommended may be understood and appreciated when read, special attention is called in advance to the plan and characteristic features of each work included in the course.

Original themes are required from the Juniors and Seniors during both terms. Each theme is criticised and corrected by the Professor, in the presence of the student, and, when re-written, is declaimed from the Chapel stage.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years' course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students in this College are enabled to cover so much ground in five years is due to several causes. In the first place, they begin the study at a much more advanced

age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the two highest classes, where in many colleges it disappears wholly from the plan of studies. Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence, two years are devoted wholly to the study of the prose writers, on which the syntax is based (*Cæsar, Cicero, Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's writings* are read in the Junior and Senior years. To make the study of Latin a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. While grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence, the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography and the general rules of syntax, complete a course of fifty-five lessons in White's *Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year, Etymology and the general rules of

Syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticism of the styles and short lectures on the historical episodes discussed. Also, there are read portions of a tragedy and an entire comedy. Lectures are given on the drama and theater, and on the Greek language and literature, and students are informed, from time to time, of the results of archæological research in Greece and countries under ancient Greek influences.

FRENCH LANGUAGE AND LITERATURE.

The *Complete French Course*, based on Chardenal, is the first book for the Sub-Freshman year. One lesson a day is studied during the first term, and the exercises attached to it are written at home. During the second term, two lessons of the same book are studied every other day, and selections from the exercises are written. A dictation in French and exercises of selected English sentences are given weekly in the class-room during the second term. The study of Chardenal is completed in the second term.

A systematic study of the conjugations is taken up early and continued until completed.

Freeborn's *Morceaux Choisis d'Alph. Daudet* are read in the text and translated into English every other day during the second term.

The teaching is, as far as practicable, carried on in French.

In the Freshman year, the work consists of oral translation from the French, based upon logical and grammatical analysis. The text-book is Demogeot, *Textes Classiques*, vol. II. A dictation in French is given weekly in the class-room during the second term.

In the Sophomore year, the time is devoted to translations into English; a lecture in French, by the instructor, on the piece translated, and notes in French written at home and rendered to the instructor on the following recitation day.

Every fourth day the students give in French oral *résumés* of the last three lessons.

The text-book is Demogeot, *Textes Classiques*, vol. I.

Extracts from La Fontaine, Molière, Corneille, and Racine are read critically.

For students of the Classical Course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The text-books used in this department are the *Complete French Course*, based on Chardenal, and Freeborn's *Morceaux Choisis d'Alph. Daudet*; Demogeot, *Textes Classiques*, vols. I and II.

GERMAN LANGUAGE AND LITERATURE.

Eysenbach's *Grammar* is introduced at the beginning of the Freshman year—during which it is the only book put into the students' hands—continued at the rate of one lesson a week through the Sophomore year, and of two lessons a week through the Junior year, at the close of which it is completed. In the Sophomore and Junior years, selections in prose and verse are read. Those students who choose to continue in this department through the Senior year read in Goethe, also a comedy and

a scientific essay ; they are exercised in composition and conversation.

In both courses poetry is memorized, and prose is so learnt that the students can produce the German when the teacher gives the translation.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is entirely optional.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from Butler's *Phrase Book*, and the reading of selections in prose and verse from Iriarte and Morales' *Reader*.

In the Sophomore year, Quintana's *Lives* are read, exercises in dictation are added, and Sales' *Grammar* and Pizaro's *Phrases* are used.

The Juniors review the grammar by the study of Sales' work ; they translate Moratin's comedy, *El si de las Niñas*, and selections from *Don Quijote* ; make oral and written translations of English selections of various styles ; write Spanish compositions, and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course ; which is, however, in a degree compensated for by the greater maturity and better preparation of the class.

HISTORY.

The History Course extends through the Freshman, Sophomore and Junior years in all the College courses. The Freshman Class study Myers' *General and Modern History* and portions of Freeman's *General Sketch*, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore Class, by the thorough study of English History. Thompson's *History* is taken as a guide, but the instructors add largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year, the study of American History is taken up,

the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to constitutional and institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; history of American politics, etc. American constitutional history is fully treated and followed in natural order with the study of American constitutional law, including comparisons with the constitutions of other nations. Students are called upon to discuss the subjects in the class-room, where they become familiar with the standard, and, as far as possible, original authorities on, American history. They also write one or more essays during the year. Hart's *Formation of the Union*, and Cooley's *Constitutional Law* are the text books supplementing lectures, with Eliot's *History of the United States* as a convenient reference book.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum; the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 B. C. to the Christian Era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the Class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied, as a discipline preparatory to the whole course. Jevons' *Lessons* is used as a text-book, and the students are taught to apply logical principles by means of numerous exercises, written and oral.

The philosophical studies of the Junior year are in the field of

Political and Social Science. The first term is devoted to political science. A course of lectures is given, indicating the foundations of law and government in human nature, tracing the growth of law and governmental forms and the development of the modern constitutional state, and discussing questions in the philosophy of government and legislation. A brief view of international law is given, Woolsey's *Manual* being used as a basis. In the second term economic science is taken up; the intimate connection of the economic with the political structure and development of society having already been considered, the study continues to be one of social development, but in its economic phase. Andrews' *Text-Book* is used with extended comments, and lectures are given on leading points in the history and theory of political economy; and in applied political economy such questions as those of money and of finance in the United States are examined.

The Senior year studies are Psychology, Philosophy and Ethics. The principles of Pedagogics, as based in psychology, are treated of, in connection with psychology, but in a separate course of lectures on theory of teaching.

The instruction of the year is chiefly by lectures, with selections from manuals and with directions for reading. In Psychology, the treatment is descriptive and explanatory, due attention being given to Physiological Psychology, and large reference made to the results of recent experimental work; and it is aimed, without dwelling on philosophical questions, to make the study lead up to philosophy.

The subjects of the second term are History of Philosophy and Ethics. The philosophical doctrines and systems of most historic importance are, as far as time permits, examined, and the development of speculative thought traced, to aid in elucidating the principal questions now discussed by philosophers. Especial consideration is given to political, educational and ethical theories, and select topics in practical ethics are discussed, with the aid of Janet's *Manual*.

Theses on assigned topics in the course are prepared and discussed by students during the Junior and Senior years.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study Davies' *Legendre* through the third book, with additional problems and theorems from the appendix and elsewhere, and Wentworth's *Algebra* from the beginning through Equations of the Second Degree.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using Wheeler's *Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from Loomis' *Treatise*; and are practiced in logarithmic computation, using Compton's *Manual*.

In the first term the Sophomore Class go through Wheeler's *Spherical Trigonometry*, and are taught *Surveying and Navigation* orally, and in the second term study Peck's *Analytical Geometry*, embracing the Geometry of Three Dimensions as far as surfaces of Revolution.

Mathematics is not obligatory upon classical students beyond the Sophomore year; but such as may elect to pursue the study join the students of the Scientific and Mechanical Courses in the study of Calculus, which is the work of the Junior year. Peck's *Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

APPLIED MATHEMATICS.

In the Scientific Course, the studies of Pure and Applied Mathematics afford the student such intellectual training and such knowledge of Mathematics, Mathematical Physics, Mechanics and Astronomy as to lessen materially the time that will be required for the study of a specialty in any of the schools of civil, mechanical or mining engineering. A graduate of good standing in the Scientific or the Mechanical Course will be able to master in two years, or less, the studies usually pursued in such schools.

In the Scientific and Mechanical Courses, in the Junior year, while the student is acquiring, in the department of Pure Mathematics, the knowledge of the Calculus necessary for the study of

Analytical Mechanics, he attends recitations and lectures on Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of those subjects. Near the end of the Junior year the study of Bartlett's *Analytical Mechanics* is commenced, and it is continued during the first term of the Senior year. Much additional matter is given in the way of illustrations and problems applying the principles taught to practical ends. In the second term of the Senior year the subject taught is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens; to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the application of astronomy to the uses of the surveyor and the navigator.

In the Mechanical Course further application is made of the principles of mechanics to the study of the forms and functions of the parts of engines, the theory of prime movers, and the construction, testing and management of engines.

The scope of the instruction in the Classical Course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little Mathematical Analysis. Of the four hours per week allotted in the Junior year to this department, generally about three are given to lectures and one to recitations.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade.

The first is open to the students of the Sophomore Class. Two hours a week are spent in the Laboratory. Clowes' *Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a course in qualitative analysis. Newth's *Inorganic Chemistry* has been adopted for home study and recitation.

The advanced grade is for the students of the Senior Class.

Three hours a week are given to the study ; one lecture on General Chemistry, and two hours in the Laboratory. *Bloxam's* is used as a text-book of Chemistry, while Clowe's *Practical Chemistry* serves to complete the study of qualitative analysis. The laboratory instruction for the Senior Class follows a prepared synopsis. Through the study of Chemical Physics, described below, the students of the advanced Chemical Course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The equipment of the Chemical Laboratory is very complete ; its arrangement, as well as that of the desks, offers many facilities. The Lecture-room, which adjoins the Laboratory, is provided with the necessary conveniences for lecture illustration. There is a collection of the ores and other natural specimens sufficient to illustrate the chief forms in which the elements occur. There are also several hundred specimens of Chemicals, inorganic and organic, many of which have been donated by friends and former students. The College owns a set of charts, made by a draughtsman especially employed.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are fully illustrated by experiments and charts. The students are required to take notes during the lectures, copy charts, and information or drawings from blackboards, and make drawings of apparatus. These rough notes must be rewritten carefully, brought to the College for inspection, and twice a year are marked according to their correctness and fullness. Simple outline drawings are an essential part of the work.

A written examination is given in June. Cooley's *Physics* is supplied as a text-book for home study.

The students of the Junior Class listen to one lecture a week,

and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is provided with 2,300 instruments. Many of these instruments have been made from designs prepared by the department, and carried out by the College mechanician. Others were purchased from the best makers here and abroad, and the collection is thus kept abreast of the times. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscope and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases, as well as for the determination of the candle-power of one.

The College dynamo machines, four in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's *Chemical Physics* and Fiske's *Electrical Engineering* are used as the text-books for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows:

SUB-FRESHMAN—	{ Anatomy. Botany. }	Two hours per week..	{ Lectures. Text-book (<i>Kellerman</i>). }
FRESHMAN—	Zoölogy.	Two hours per week..	{ Text-book (<i>Orton</i>) and Lectures. }
JUNIOR—	Anthropology.	One hour per week...	Lectures and <i>Orton</i> .
SENIOR—	{ Mineralogy. Palæontology. Geology. }	{ One hour per week... }	{ Text-book (<i>Dana</i>) and Lectures. }

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself* the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

Chief among the gifts was that of Mr. Wm. F. Decker, '85, who gave to the College a valuable collection of Natural History specimens, made by his father, John J. Decker. The gift included a number of handsome cases.

MUSEUM OF NATURAL HISTORY.

The collections contain 10,500 specimens: 550 plants, 750 vertebrates, 3,000 invertebrates, 2,000 minerals, and 2,100 minerals, rocks and fossils. The card catalogue of the specimens is progressing.

A large number of specimens were added to the collections during the past year, and many objects for instruction in the several courses.

In addition to the material purchased by the College, the following gifts have been made:

1. Birds' Eggs (Collection of)..... Bashford Dean, A.M., Ph. D.
2. Birds of State of N. Y. (100 Spec.)... Louis A. Zerega.
3. Brush-making Materials F. W. Devoe & Co.
4. Butterflies and Moths (500 Spec.)... H. J. Muller.
5. Conchological Specimens..... Smithsonian Institution.
6. " " { Townsend Harris.
 Pres. A. S. Webb.
 Prof. R. O. Doremus.
7. Corals of Florida (Collection of)... Lieut.-Col. Walter McFarland, U.S.A.
8. Craniological Specimens..... Smithsonian Institution.
9. Entomological Collection..... Bashford Dean, A.M., Ph. D.
10. Fishes (500 Spec.), largely South }
 American } Commissioner E. G. Blackford.
11. Fossils and Reptiles Prof. S. Woolf.
12. Fossils and Minerals of "Bad }
 Lands." } Prof. W. Stratford.
13. Fossils of S. Carolina (Collection of). William T. Rodenbach.
14. General Natural History Collection. Wm. F. Decker.
15. Grain (Specimens of)..... New York Produce Exchange.

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| 16. Ichthyosaurus Communis..... | { Pres. Alex. S. Webb.
Nathaniel Jarvis, Jr.
H. R. Remsen.
Edward Cooper.
Jackson Steward.
William Wood.
David Dudley Field. |
| 17. Leathers (Fancy)..... | Tiffany & Co. |
| 18. Linen, Silks, Furs, Cottons..... | E. J. Denning & Co. |
| 19. Miscellaneous Textile Fabrics..... | Clafin & Co. |
| 20. Set of Whaling Harpoons(11 Spec.) | Bashford Dean, A.M., Ph. D. |
| 21. S. American Woods (60 Specimens) | T. D. & L. Hirsch. |
| 22. Unios of the United States | Dr. Isaac Lea, Philadelphia. |
| 23. Vegetable Fibers..... | Mr. J. H. Hollis, Cotton Exchange. |
| 24. Wading Birds (25 Specimens).... | { Mr. W. H. Chesebrough. |
| Game Fishes of Florida..... | |
| 25. Woods (Foreign and Fancy)..... | J. L. Daniels & Co. |
| 26. Woolen Fabrics | Arnold, Constable & Co. |
| 27. Wools..... | Mangers & Avery. |
| 28. Minerals (Collection)..... | Jos. and Fred. Wiener. |
| 29. Rare Australian Fishes..... | Mrs. H. F. Chipman. |

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in Drawing in outline from the flat and the round, in surface shading and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head from the flat and the round, and are taught some of the principles of design in ornament.

The Freshman Class is instructed in Descriptive Geometry, the Professor's *Elements of Descriptive Geometry* being used as a book of reference. The instructor lectures and demonstrates at the blackboard; and the students solve every problem graphically in their drawing-book. The subject is carried through Sections and Intersections, Tangency and Development, and practical applications are made. Practice in the elements of tinting is also afforded from time to time. In the second term, the subjects pursued are Shades and Shadows and Perspective. Shadows are determined in artificial and natural light; the general principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year, the students draw from the Cast, either

ornaments or organic forms, according to individual ability ; they shade in charcoal, crayon, etc.

The professor delivers to the Senior Class a series of lectures on *Æsthetics*, and the History of Art and the several arts.

In the Mechanical Course the work of the other courses is modified by the introduction of Elementary Mechanical Drawing. Students are required to take notes of lectures and make free-hand sketches in the class-room, which are afterwards to be elaborated into finished drawings to a scale. Occasional tasks for home work are likewise given.

In the Sub-Freshman Class one-half the time is devoted to free-hand work, similar in character to that of the other collegiate courses. The Mechanical Drawing for the same period consists of lettering, simple working drawings, wood joints, journals, rivets, bolts, keys, simple couplings, cranks, etc.

In the Freshman Class the work is confined to theoretical drawing, similar to that taught in the other collegiate courses.

In the Sophomore Class the time is employed partly in completing Theoretical Drawing and in Mechanical Drawing. The various points of the steam engine are explained, and the students are required to make finished drawings in *ink*, in the class-room. For that purpose sketches and models are freely used.

The Junior Class takes up tinting and shading, together with the study of the remaining unexplained parts of machinery, including gear wheels, etc.

The slide valve and link motion are studied theoretically in the Senior Class. In addition to this, the students are taught elementary designing and proportioning of parts of engines.

The casts belonging to this department are very fine, most of them having been taken from early moulds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best preserved metopes ; the heroic statues of Theseus and Cephissus ; a caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo

Belvedere, the Belvedere Torso, and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the Class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early Christian and Renaissance painting in Italy, and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. East Indian architecture is likewise illustrated by a number of photographs lately purchased by the College.

THE LIBRARY.

The Library of the College contains 30,810 volumes. These are distributed in classes, as follows :

Theology.....	867	Spanish Literature	212
Philosophy	1,428	Italian "	76
Law	471	Latin "	737
Mathematics	495	Greek "	734
Physics.....	2,224	Classical Philology.....	159
Natural History.....	1,293	Literature in General.....	240
Medicine	285	Linguistics.....	830
History of Science.....	65	Fine Arts.....	1,045
History... ..	6,735	Bibliography.....	211
Biography.....	1,901	Works of Reference	719
Voyages and Travels	1,193	Periodicals.....	3,677
English Literature.....	3,057	Unclassified.....	456
German "	843		
French "	857	Total.....	30,810

Books may be taken from the Library by the students as well as by the instructors ; by the Alumni upon a deposit of ten dollars ; and by the teachers of the common schools of the city.

The books have been purchased with the money apportioned to the College, while known as the Free Academy, as its share of the Literature Fund of the State ; from the income of \$5,000 bequeathed by Mr. Ephraim Holbrook ; from the income of \$30,000 bequeathed by Mr. Seth M. Grosvenor ; and with money which has at various times been appropriated by the Board of Trustees. Many books have been presented by publishers and others.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these, the first, the wood-working room, contains fifteen double benches, with closets and tools, for a class of thirty. The second, for forge and vise-work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise tools. It has accommodations for a class of thirty pupils. The third, or lathe room, contains twenty-six speed lathes, for wood or metal turning, four engine lathes, a planer, a circular saw and two testing machines, affording, like the others, accommodations for thirty students. The fourth contains a horizontal steam engine of 25 horse-power, which drives the lathes and grindstones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. There is in an adjoining room a gas engine of 8 horse-power to take the place of the steam engine when less power is required, and also a small vertical steam engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The course of study in the workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows :

First Year—Theory and use of wood-working tools ; properties, defects, treatment and preservation of timbers ; use of testing machine in the testing of timber.

Second Year—Theory and use of metal-working tools ; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing ; use of the speed lathe ; study of the parts of the steam engine from drawings, models, descriptions and examination of engine.

Fourth year—Use of the engine lathe ; screw-cutting, boring,

turning, facing ; measures of precision ; scraping, finishing and fitting.

Fifth Year—Strength of materials ; proportioning of parts of engines ; managing and testing of engines.

DISCIPLINE.

Every student shall conduct himself according to the rules of good manners, good morals and manly propriety ; shall give punctual and constant attention to all his duties ; shall use the property of the institution with care and economy, and restore the same when required. Violations of the rules of the College are visited with punishment, which varies according to the gravity of the offense, from demerit marks and formal admonition to suspension by direction of the President, and dismissal by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit marks in one term, or 175 in one academic year, must leave the College.

EXTRACT FROM THE RULES OF THE FACULTY OF THE COLLEGE OF THE CITY OF NEW YORK.

1. Every periodical or paper published by students, and sold or distributed by them within the College, shall have printed upon it the name of the Managing Editor, who shall be a student.

2. No such periodical or paper shall be sold or distributed in this College until the President shall be satisfied that the foregoing regulation has been complied with.

3. It shall be the duty of the Managing Editor to exclude from the columns of the College publication controlled by him all discourteous remarks, and all remarks whatsoever on the Officers or management of the College.

4. For any infraction of the preceding rules the Managing Editor shall be held responsible.

5. No periodical or paper, whose Managing Editor has violated the preceding rules, shall be sold or distributed in the College while he remains the Editor.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the schedule of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are examined at the same time and subjected to the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same until he has given to the President a sufficient explanation of his absence, and to the instructor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass, on examination, in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred; one-half of this maximum is for the term work, and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct mark of each student is determined by deducting from such maximum all his demerit marks.

On the Merit Roll the students are classified Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High, the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good, the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

A copy of the Merit Roll is sent to the parent or guardian of each student.

COMMENCEMENT.

The Commencement of the College is held on the fortieth Thursday after the opening of the first term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.

2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.

3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.

4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second; the remaining honorary orations shall be numbered according to the rank of the students.

5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths of the maximum in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked "Excused," and suitable substitutes in order of rank, shall be appointed.

6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

*" Extracts from the Minutes of the Faculty of
December 22, 1884."*

1. Early in January of each year the students of the Senior Class shall hand to the President an original composition, written as a Graduation thesis, which shall contain not less than six hundred words, nor more than seven hundred and fifty words; these shall be examined by the Professor of the English Language and Literature, and marked on a scale of 50.

2. Any student who shall receive less than 60 per cent. shall be rated deficient, and such deficiency shall be counted a

deficiency in one of the branches of study in determining the student's graduation.

3. An Honor-man not otherwise disqualified shall deliver his Graduation thesis on Commencement, if, in the opinion of the President and the Professor of the English Language and Literature, the merits of the composition warrant public presentation; otherwise the author shall not speak at Commencement, but be marked "Excused" on the programme of Commencement exercises, and a suitable substitute shall be provided.

4. No oration shall be delivered at Commencement, unless it have been duly rehearsed before the Professor of the English Language and Literature, or, in case the Professor request it, before some other officer of the College, designated by the President. Each oration shall be finally rehearsed at least once in the College Chapel and once in the hall where the Commencement exercises are to take place; and no student shall be allowed to speak at the Commencement unless his declamation be satisfactory to the officer before whom he has rehearsed, nor unless he have acquired such command of his oration as to be able to speak it without the aid of a prompter.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, by the gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together; and in 1856 the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal, to be given to the student who shall rank second.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, by the gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres; and in 1856 the donor authorized the provision of a silver medal for the second scholar.

THE WARD MEDALS.

In 1853, Augustus H. Ward established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are: Chemistry, Natural History, Natural Philosophy, Moral Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Botany.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, by the gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the first Monday in June.

THE CLAFLIN MEDALS.

In 1871, John Claflin, by the gift of \$1,250, established two gold and two silver medals, to be awarded as follows:

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall

certify that he has made the greatest proficiency in that department ; and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION ; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit marks during the first term, or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College and selected by the donor.

POETRY.

For thirty-eight years the late Professor Roemer provided anonymously a prize for the best declamation of poetry. In recognition of this fact and in honor of his memory and the name, the ROEMER PRIZE was established by officers of the College and several graduates. The trustees of the fund (of \$300) are the Chairman of the Executive Committee, the President of the Associate Alumni, and Russell Sturgis, Ph.D. The competitors are a Senior, a Junior and a Sophomore, selected from and by their several classes, in the same manner as the competitors for the prize of the President of the Board of Education. The declamations are delivered on the same occasion and judged by the same judges.

THE KELLY PRIZES.

In 1868, James Kelly, by the gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies ; three contestants being chosen by the Clonian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for

approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

THE BELDEN PRIZES.

In 1883, William Belden, by the gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement day, in the Junior and Sophomore Classes :

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks from recitations and on examinations, or by a special competitive examination, as may in each case seem best to the Trustee.

2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

THE F. W. DEVOE & Co. PRIZES.

In 1885, F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees and the Professor of Applied Mathematics, to the student of greatest merit, in the first and second years, respectively, of the Workshop Course. Students of the Classical and Scientific Courses may compete. The merits of the competitors

are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

THE KETCHUM PRIZES.

In May, 1891, Alexander P. Ketchum put into the hands of a committee, composed of the Chairman of the Board of Trustees, the President of the College and the Professor of Moral and Intellectual Philosophy, a sum of money sufficient to secure to the Department of Philosophy funds to provide annually four prizes, to be awarded to those students of the Senior and Junior Classes giving the best written evidence of proficiency in Philosophy and Political Economy at the June examinations in those subjects.

THE BENNETT PRIZE IN POLITICAL SCIENCE.

James Gordon Bennett, on May 11, 1893, offered \$1,000 to the Trustees of the College for the endowment of an annual prize under the following terms :

“The amount to be invested and kept invested, and the income thereof, or a medal of equal value, to be given annually upon Commencement Day to the undergraduate member of the Senior Class who shall have taken the prescribed course of the institution in Political Science and English Literature, and who shall have prepared the best essay in English prose upon some subject of American governmental domestic or foreign policy of contemporaneous interest.

“The subjects to be selected and announced, the rules of competition formulated, and the decision rendered by the Faculty of the College.”

Mr. Bennett's gift was accepted by the Trustees.

SERENA MASON CARNES PRIZE.

The Board of Trustees of the College of the City of New York accepted a prize of one hundred dollars, to be known as the SERENA MASON CARNES PRIZE, given by Mr. Mason Carnes, for the best translation of one or more scenes, chosen by the Professors of the French, German and Spanish Languages and Literature, by the students of the College above the Freshman Class.

CLASSICAL SCHOLARSHIPS.

This College being, through the action of its officers and Alumni, associated with eighteen of the leading universities and colleges in the United States, in support of the American School of Classical Studies at Athens, the school is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical Course; that of *Bachelor of Sciences* on those who have completed either of the Scientific courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences, on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.
2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.
3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

THE ASSOCIATE ALUMNI.

The College has graduated in forty-three classes, from 1853 to 1896, 1,784 men, of whom about 1,350 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual meeting is held

on the day after the Commencement, in the College building.
The officers for the present year are :

<i>President</i>	CHARLES F. LYDECKER, '71.
<i>Vice-President</i>	EDWARD LAUTERBACH, '64.
<i>Secretary</i>	JOHN WELDON, JR., '61.
<i>Treasurer</i>	CHAS. MURRAY, '84.
<i>Historian</i>	JOHN SHERMAN BATTELL, '73.

STUDENTS' AID FUND.

In 1857 the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the Alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

JOHN HARDY, '53.....	265 Broadway.
ALFRED G. COMPTON, '53.....	At the College.
CHARLES L. HOLT, '53.....	188 Front Street.
EVERETT P. WHEELER, '56.....	45 William Street.
JOHN R. SIM, '68.....	At the College.

LITERARY SOCIETIES.

Two Literary Societies, the Clionian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. A magazine is also read at intervals, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clionian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

June 18, 1896.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned:

THE PELL MEDALS.

First, Gold	AARON B. SALANT	Junior.
Second, Silver.....	EMILIUS W. SCHERR, JR.....	Senior.

THE CROMWELL MEDALS.

First, Gold	LOUIS SALANT	Sophomore.
Second, Certificate	EMANUEL W. KAISER	Sophomore.
Third, Certificate.....	SIDNEY L. TEVEN.....	Sophomore.

THE WARD MEDALS.

1. Chemistry	EMILIUS W. SCHERR, JR.....	Senior.
2. Natural History.....	EMILIUS W. SCHERR, JR.....	Senior.
3. Natural Philosophy.....	EDWARD KASNER.....	Senior.
4. Moral Philosophy.....	EDWARD KASNER.....	Senior.
5. Political Science.....	AARON B. SALANT.....	Junior.
6. English.....	RALPH WEINBERG... ..	Junior.
7. Greek	EMILIUS W. SCHERR, JR.....	Senior.
8. Latin.....	OTTO C. SOMMERICH	Senior.
9. French	HAROLD J. BASTINE.....	Sophomore.
10. German	AARON B. SALANT.....	Junior.
11. Spanish.....	LOUIS FINESILVER.....	Senior.
12. Oratory.	OTTO BIRNBAUM.....	Junior.
13. Composition	HERBERT A. KNOX.....	Senior.
14. Logic.....	LOUIS SALANT	Sophomore.
15. Astronomy.....	EDWARD KASNER.....	Senior.
16. History.....	ARTHUR J. STERN.....	Junior.
17. Drawing.....	JACOB THEOBALD.....	Sophomore.
18. Descriptive Geometry...	ARTHUR E. SHERWOOD	Freshman.
19. Botany.....	WILLIAM D. PULVERMACHER.....	Sub-Freshman.
20. Algebra and Geometry...	ALFRED FRANKENTHAL.....	Sub-Freshman.

Certificates of equal merit were awarded as follows :

Latin	HERBERT A. KNOX .. .	Senior.
History	AARON B. SALANT.....	Junior.
Spanish	ALBERT S. TAYLOR.....	Senior.
Greek... .. .	{ HERBERT A. KNOX.....	Senior.
		HENRY LEVY.....Senior.

THE RIGGS MEDALS.

SENIOR CLASS.

SUBJECT : "War and Civilization."

Gold Medal to JEROME ALEXANDER.

A Portion of the Income of the Fund to LAWRENCE GOLDBERG.

JUNIOR CLASS.

SUBJECT : "William H. Seward as a Statesman."

Gold Medal to RALPH WEINBERG.

A Portion of the Income to MAURICE SIMMONS.

THE CLAFLIN MEDALS.

SENIOR CLASS—Greek.

HERBERT A. KNOX.

JUNIOR CLASS—Latin.

MAX L. ARNSTEIN.

FRESHMAN CLASS.

Greek.....	JACOB WEISS.
Latin... ..	DAVID GOLDSTEIN.

THE KELLY PRIZE.

FOR THE BEST CRITIQUE. SUBJECT : "Macaulay's Essay on Johnson."

SIMON T. STERN..... Junior.

THE F. W. DEVOE PRIZES.

Wood Working	EDWARD F. SCHAEFER .. .	Sub-Freshman.
Metal Working.....	WALTER L. BOYER .. .	Freshman.

THE KETCHUM PRIZES.

SENIOR CLASS—History of Philosophy.

First Prize .. .	CHARLES SINDELAR.
Second Prize.....	EDWARD KASNER.

JUNIOR CLASS—Political Economy.

First Prize.....	AARON B. SALANT.
Second Prize.....	SIMON T. STERN.

PRIZE OF THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION.

JEROME ALEXANDER.....Senior.

THE SERENA MASON CARNES PRIZE.

GermanAARON B. SALANT.....Junior.
FrenchALEXANDER SPINGARN.....Junior.
SpanishSAMUEL WECHSLER.....Senior.

THE BENNETT PRIZE.

JEROME ALEXANDER.....Senior.

THE PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation.....JOHN S. KENNEDY.....Senior.

THE ROEMER PRIZE.

Poetry Declamation.. . . .SAMUEL J. BLOCK.....Sophomore

HONORS.

The honors at Commencement were :

First (Valedictorian)EMILIUS W. SCHERR, JR.
Second (Salutatorian)CHARLES SINDELAR.
ThirdHERBERT A. KNOX.
Fourth.....RUDOLPH C. POKORNY.
Fifth.....EDWARD KASNER.
Sixth.....J. HARPER JASPER.
SeventhJEROME ALEXANDER.
Eighth.....MORRIS C. VALENTINE.

Honorable mention is made of OTTO C. SOMMERICH, WILLIAM C. VOLCKHAUSEN, SIMON ZEVIE, LEWIS TRUCKENBRODT, FRED. J. DREYFUS, SAMUEL BARIT, LOUIS J. ROSETT and OSCAR WAGNER, for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

MASTER OF ARTS.

PHILIP H. STERN, A.B., '91.

LOUIS E. VAN NORMAN, A.B., '91.

MASTER OF SCIENCES.

GUSTAVE LEGRAS, B. S., '79.

HAROLD E. LIPPINCOTT, B.S., LL.B., '91.

GINO C. SPERANZA, B.S., LL.B., '92.

BACHELOR OF ARTS.

BARIT, SAMUEL.

CORSE, ARTHUR W.

CUNNINGHAM, JOSEPH ATWOOD.

CURTIS, T. ADRIAN.

DREYFUS, FRED. J.

EHRRHARD, WILLIAM JOSELIN.

ELLISON, MILLARD HENRY.

FRANKLIN, WILLIAM KERNAN.

GLUCK, EMIL.

GREENBAUM, MAX.

HAMBURGER, MAX.

HOFFMAN, SAMUEL SIGMUND.

HOLLANDER, EDWARD.

HUBSCHMIDT, A. WENDELL.

HUNT, FREDERICK LINCOLN.

JAMESON, CHARLES B.

JASPER, J. HARPER.

KEMPNER, MILTON.

KENNEDY, JOHN S.

KENNEY, EDWARD JOSEPH.

KNOX, HERBERT ALLEN.

LEVINE, DAVID.

LEVY, HENRY.

MARTIN, NORMAN.

MOSCHCOWITZ, ELI.

MUND, CONRAD.

MURRAY, HUGH CHARLES.

PLONSKY, SAMUEL EDWARD.

ROSENSOHN, WILLIAM.

ROSETT, LOUIS J.

SCHERR, JR., EMILIUS WILLIAM.

SCHLUETER, EDWARD H.

SCHOEDEL, JR., FREDERICK.

SLADOVNIK, CHARLES.

SOMMERICH, OTTO C.

THELLUSON, CHARLES F.

VALENTINE, MORRIS CRAWFORD.

VERMILYA, FRANK BAYLES.

BACHELOR OF SCIENCES.

ALEXANDER, JEROME.

BEYER, EMIL.

BERNSTEIN, EUGENE P.

CARLSON, CARL OSCAR.

CLARK, GEORGE M.

CRANDELL, PAUL MORGAN.

ELLIS, RUDOLPH PELL.

FERNBACH, ROBERT LIVINGSTON.

FERRIS, GEORGE JOSEPH.

FINESILVER, LOUIS.

FLANAGAN, EDWARD.

GANDOLFO, JOSEPH HARRINGTON.

GERSHEL, MILTON.

GOLDBERG, LAWRENCE.

HEIL, JOSEPH S.

JACOBOWITZ, LOUIS.

KASNER, EDWARD.

KRIDEL, ALEXANDER HAYES.

KUES, GEORGE AUGUST.

LAWYER, LOUIS ROSSE.

LEE, JAMES J. A.

LESE, FREDERICK.

LIPPE, ADOLPHUS A.

MARKS, LOUIS.

MARTIN, THOMAS A.

MARTIN, URBAN F.

MCDOWELL, ALEXANDER HENRY.

PETERSEN, AUGUST H.

PEYSER, HAROLD.

PHILLIPS, HAROLD M.

POKORNY, RUDOLPH C.

RIPPE, L. MAURICE.

SCHOENFELD, JACOB MYLBURN.

SINDELAR, CHARLES.

SMALLEN, HUGH JEROME.

STROBEL, AUGUST C.

STROBEL, WALTER E.

TAYLOR, ALBERT C.

TRUCKENBRODT, LEWIS.

VOLCKHAUSEN, WILLIAM C.

WAGNER, OSCAR.

WECHSLER, SAMUEL.

WRIGHT, ALFRED A.

ZEVIE, SIMON.

COLLEGIATE CALENDAR.

1896-1897.

1896.

Sept. 17. Thursday.—Commencement of First Term.
 Nov. 3. Tuesday.—Election Day.
 Nov. 26. Thursday.—Thanksgiving Day.
 Dec. 25. Friday.—

WINTER VACATION.

1897.

Jan. 2. Saturday.—
 Jan. 15. Friday.—End of First Term.
 Jan. 18. Monday.—Review Examination commences.
 Jan. 29. Friday.—Review Examination ends.
 Feb. 1. Monday.—Commencement of Second Term.
 Feb. 12. Friday.—Lincoln's Birthday.
 Feb. 22. Monday.—Washington's Birthday.
 April 16. Friday.—Good Friday.
 April 24. Saturday.—
 May 1. Saturday.—
 May 28. Friday.—End of Second Term.
 May 31. }
 June 10. } Examinations for Advancement and Admission.
 June 18. Friday.—Prize Speaking.
 June 24. Thursday.—Commencement.
 June 25. Friday.—
 Sept. 15. Wednesday.—
 Sept. 16. Thursday.—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Adams, Richard H.....	163 East 116th Street	737 Broadway.
Agar, John G.....	.....	20 Nassau Street.
Andrews, W. Edson.....	752 East 175th Street.....	729 Tremont Avenue.
Beneville, Emile, LL.B.....	414 East 116th Street.....	229 Broadway.
Holt, Charles L.....	117 West 130th Street.....	139 Maiden Lane.
Hubbell, Charles B.....	143 West 64th Street.....	2 Wall Street.
Hurlbut, William H.....	200 West 57th Street.....	
Kelly, Hugh... ..	71 Wall Street	61 Fifth Avenue.
Ketchum, Alexander P	33 Mt. Morris Park, W....	57 Cotton Exchange.
Little, Joseph J.....	23 West 45th Street.....	8 Astor Place.
Mack, Jacob W.....	129 West 75th Street.....	92 Liberty Street.
MacLay Robert.....	50 West 57th Street.....	66 Broadway.
McSweeney, Daniel E., M.D..	129 East 29th Street.....	
Meirowitz, Philip, M.D.....	336 East 4th Street....	
Montant, Auguste P.....	39 West 21st Street.....	79 Worth Street.
Peaslee, Edward H., M.D....	29 Madison Avenue.....	
Prentiss, Nathaniel A.....	119 East 38th Street.	120 Broadway.
Rogers, Henry A.....	347 West 57th Street.....	19 John Street.
Strauss, Charles.....	317 West 75th Street.....	237 Broadway.
Taft, Henry W.....	340 Lexington Avenue....	40 Wall Street.
Van Arsdale, Wm. J.....	110 Bank Street.....	
Webb, Alexander S., LL.D..	Riverdale.....	College.
Arthur McMullin, A.M., Secretary ; office, Hall of the Board of Education.		
Edward E. Van Saun, Assistant Secretary ; office, Hall of the Board of Education.		

OFFICERS OF THE COLLEGE.

Augé, Georges	Tutor	270 West 43d Street.
Baralt, Luis A.	Instructor	134 West 64th Street.
Bliss, Henry E.	Dep'y Librarian	397 St. Nicholas Avenue.
Bruckner, Arthur	Tutor	513 East 87th Street.
Burke, Edmund	Tutor	156 East 48th Street.
Carr, Henry S.	Tutor	133 Manhattan Avenue.
Compton, Alfred G.	Professor	40 West 126th Street.
Constant, Stanislas C.	Instructor	142 East 48th Street.
De Groat, James H.	Tutor	288 Summit Ave., Jersey City.
Doremus, Charles A.	Instructor	59 West 51st Street.
Doremus, R. Ogden	Professor	241 Madison Avenue.
Downer, Charles A.	Instructor	133 Manhattan Avenue.
Duggan, Stephen P.	Tutor	533 Lexington Avenue.
Engelsman, Gabriel	Tutor	62 East 120th Street.
Fabregon, Casimir	Professor	111 West 130th Street.
Fox, William	Instructor	West New Brighton, S. I.
Friedburg, Ludwig H.	Tutor	384 Monroe Street, Brooklyn.
Galicenstien, Clarence	Tutor	129 West 132d Street.
Hanaway, Samuel	Tutor	1139 Madison Avenue.
Hardy, George E.	Professor	228 West 105th Street.
Hatch, Robert H.	Instructor	111 West 48th Street.
Herbermann, Charles G.	Professor	223 West 25th Street.
Hunt, Leigh H.	Instructor	159 West 23d Street.
Ilgén, Ernest	Instructor	369 Herkimer Street, B'klyn.
Johnston, Henry P.	Professor	37 East 50th Street.
Kost, Henry G.	Tutor	730 East 134th Street.
Krowl, Harry C.	Tutor	213 West 104th Street.
Laffargue, Gaston A.	Tutor	215 East 53d Street.
Legras, Gustave	Instructor	1931 Madison Avenue.
Levussove, Moses S.	Tutor	1713 Lexington Avenue.
Lippincott, Harold E.	Tutor	42 Irving Place.
Mandel, John A.	Instructor	Astoria, L. I.
Mason, James Weir	Professor	32 West 129th Street.
Mayell, Henry	Secretary	17 Lexington Avenue.
McGuckin, William G.	Instructor	307 West 76th Street.
McNulty, John J.	Instructor	58 Morton Street.
Meighan, Howard S.	Tutor	45 East 9th Street.
Morse, Livingston B.	Tutor	34 West 130th Street.
Mott, Lewis F.	Instructor	367 West 19th Street.
Naumburg, Bernard	Tutor	124 West 64th Street.
Nordby, Conrad H.	Tutor	30 West 132d Street.
O'Brien, Walter	Tutor	304 Clinton Street, Brooklyn.
Parnly, C. Howard	Instructor	344 West 29th Street.
Perrin, Ernest N.	Tutor	111 West 124th Street.
Reynolds, Frederick G.	Tutor	140 West 132d Street.
Rupp, August	Instructor	225 East 19th Street.
Saurel, Paul L.	Tutor	141 West 84th Street.
Sickels, Ivin	Instructor	West Nyack, N. Y.
Sigel, Franz, Jr.	Tutor	563 Mott Avenue.
Sim, John R.	Instructor	536 W. 156th Street.
Smith, Calvin R.	Instructor	293 Decatur Street, Brooklyn.
Smith, Robert F.	Tutor	287 West 4th Street.
Stratford, William	Professor	263 West 52d Street.
Thomas, Charles W.	Tutor	Hackensack, N. J.
Timme, Walter	Tutor	2 Riverview Terrace.
Tisdall, Fitz Gerald	Professor	80 Convent Avenue.
Webb, Alexander S.	President	Riverdale.
Werner, Adolph	Professor	339 West 29th Street.
Wolf, Solomon	Professor	261 West 134th Street.
Bonney, Michael F.	Janitor	College Building.
Reed James.	Engineer	College Building.

STUDENTS.

SENIOR CLASS.

- Anspacher, Louis Kaufman, 18 East 119th street.
- Arnstein, Max L., 114 East 72d st.
- Berger, John, 432 East Fourth st., N. Y. C.
- Bernheimer, Clarence Gans, 156 West 97th street.
- Billo, Otto, 413 East 80th street.
- Bing, Alexander M., 21 West 88th street.
- Birnbaum, Martin, 939 Second av.
- Boroschek, Leopold, 149 East 56th street.
- Boyd, William B., 40 Perry street.
- Breitwieser, Hubert Frederick, 74 Seventh street.
- Browne, Robt. L., 207 West 16th st.
- Brustlein, Charles H., 108 Lexington avenue.
- Buerger, Leo., 204 East 116th street.
- Chankin, Joseph, 14 St. Mark's Place.
- Cohen, Hyman, 11 Montgomery st.
- Coleman, William A., 850 Lexington avenue.
- Compton, Alfred, 124 West 126th st.
- Cooper, Bernard J., 1607 B'way.
- Dearborn, Frederick Myers, 146 West 57th street.
- Diamant, Arthur H., 4 East 97th st.
- Donohue, Thomas, 155 East 84th st.
- Doob Irving, Ephram, 219 East 61st street.
- Dorland, George W., 361 Bleecker street.
- Dunn, Harris Ashton, 223 Central Park West.
- Elgas, William Taylor, 121 West 87th street.
- Findlay, Walter, 318 West 18th st.
- Foehrenbach, Herman P., 409 West 46th street.
- Fox, Solomon W., 345 Spring street.
- Fried, Isidor, 732 East Sixth street.
- Garrety, Wm. Plymon, 335 West 24th street.
- Geoghegan, Joseph G., 20 East 73d street.
- Geoghegan, Walter F., 20 East 73d street.
- Goldwasser, Israel Edwin, 171 East 105th street.
- Gombarts, George, 69 Columbia st.
- Goodman, Maurice, 354 East Fourth street.
- Grady, William E., 419 East 87th st.
- Harris, Maxwell S., 63 Monroe st.
- Heller, Bernard S., Graham House, corner 89th st. and Madison av.
- Hoffman, Mark, 49 Attorney street.
- Jacobson, Samuel, 123 East 82d st.
- Jellinghaus, C. Frederick, 45 St. Mark's Place.
- Joseph, Louis, 146 Clinton street.
- Kaempffert, Waldemar B., West 106th street and Riverside Drive.
- Krampner, William, 262 East Houston street.
- Lieberman, John, 1471 Madison av.
- Ludwig, Augustus, 209 East 109th street.
- McGuire, Clarence K., 104 Bank st.
- Mandel, Morris, 736 Lexington av.
- Michael, George Washington, 1600 Avenue A.

Morrison, Charles Edward, 103 West 56th street.
 Newman, Joseph, 79 East 124th st.
 Patri Angelo, 2184 First avenue.
 Paul, Francis H. J., 444 West 33d st.
 Platt, Mark C., 329 West 46th st.
 Pugliese, Anthony, 279 Pleasant av.
 Radgik, Abraham, 185 Henry st.
 Rafferty, James A., 157 West 63d st.
 Ray, David Heydorn, 416 West 55th street.
 Reinhardt, Emanuel, 243 Seventh street.
 Remenitsky, Joseph, 142 Columbia street.
 Rich, Albert G., 164 West 88th st.
 Roberts, Arthur Joseph Dean, 1591 Lexington avenue.
 Roll, John Krapp, 147 East 92d st.
 Rosenberg, Michael, 387 East Houston street.
 Rosenberg, Samuel, 119 Clinton Pl.
 Rupprecht, Hugo, 622 Eighth av.
 Salaub, Aaron B., 348 East 78th st.
 Schlosser, Jacques Bach, 2 East 92d street.
 Schmidt, Chas. P., Jr., 25 Beekman Place.
 Schroeder, Louis J., 32 University Place.
 Schultz, Alfred Paul, 288 Broome street.
 Schwed, Frederick Osborne, 127 East 72d street.
 Simmons, Maurice, 91 Canal street.
 Sinclair, Upton B., Jr., 410 West 23d street.

Spingarn, Alexander, 31 Division street.
 Springmeyer, Charles Edwin, 522 East 119th street.
 Solomon, Nathan, 344 West 145th street.
 Sparks, Clarence Ashton, 159 West 63d street.
 Stahl, George F., 419 East 16th st.
 Stark, Morris, 433 East 57th street.
 Stark, Nathan, 257 Second street.
 Stern, Arthur Joseph, 230 East 72d street.
 Stern, Simon Theodore, 75 West 91st street.
 Stern, Sydney Wilfred, 101 East 81st street.
 Swan, Giles J., 160 West 29th street.
 Sugarman, Solomon Chas., 217 Henry street.
 Tombo, Carl, 2 Ridge Place, Mott Haven.
 Vandegrift, George Wonson, 287 Henry street.
 Vermilya, Percy Sherwood, 36 West 128th st.
 Vogel, Geo. Edward, 704 East 175th street.
 Vogt, Charles A. M., 619 East 157th street.
 Wade, John Edgar, 63 Bank street.
 Weinberg, Ralph, 166 East 72d st.
 Whiteside, Donald Grant, 251 West 133d street.
 Ziegel, H. Fred Lange, 62 East 67th street.

JUNIORS.

Alter, Julius E., 9 Montgomery st.
 Anderson, Charles Melville, 74 West 92d street.
 Aronson, David A., 261 Henry st.
 Arnold, Felix, 433 East 79th street.
 Aronson, Jacob J., 241 East 116th street.

Barry, Joseph T., 441 East 23d st.
 Bayne, Stephen Fielding, 504 West 166th street.
 Bernstein, Solomon, 9 Attorney st.
 Boecker, Alexander, 237 East 28th street.
 Brandt, Maurice, 125 Norfolk st.

Braun, Alfred, 121 East 112th st.
 Breitwieser, Herman George, 74
 Seventh street.
 Broder, Nathan, 45 Eldridge street.
 Buerger, Charles Bernard, 204 East
 116th street.
 Bullwinkel, William H., 665 Tenth
 avenue.
 Cairns, Douglas Walker, 40 Grove
 street.
 Casselmann, William H., 419 East
 87th street.
 Cavagnaro, John J., 16 MacDougal
 street.
 Cohen, Max, 283 Tenth avenue.
 Coleman, Samuel F., 225 West 32d
 street.
 Collins, Christopher D., 312 East
 37th street.
 Colwell, Lino M., 365 West 27th st.
 Cottle, George F., 1 Gramercy Pk.
 Cremin, Wallace Leo, 848 Lexing-
 ton avenue.
 Davidson, Maxwell, 131 East 78th
 street.
 Denzer, Sydney W., 113 West 130th
 street.
 Dickheiser, Saul J., 142 Clinton st.
 Eberhardt, Henry A., 253 West 35th
 street.
 Ernst, Bernard M. L., 233 West
 113th street.
 Fine, David, 247 East Broadway.
 Fisch, Perez, 233 Delancey street.
 Fischer, Bernard W., 227 West 37th
 street.
 Fischer, Saml. M., 153 West 91st st.
 Fishel, Mortimer, 166 East 78th st.
 Frank, Julius, 95 Ludlow street.
 Friedmann, Henry, 128 Lewis st.
 Gartlan, Eugene B., 245 East 116th
 street.
 Gartlan, J. Henry, 245 East 116th
 street.
 Goldberger, H. Harold, 128 Cannon
 street.
 Green, James, 203 Seventh avenue.

Hamburg, Edwin Charles, 157 West
 118th street.
 Hammond, William K., Jr., 324
 West 29th street.
 Hanson, Arthur Taber, 145 West
 121st street.
 Harris, Irving Ralph, 305 Henry st.
 Herbert, Le Roy Bedford, 145 East
 51st street.
 Herman, Sydney Hubert, 54 East
 80th street.
 Holloway, J. Henry, 333 Alexander
 avenue.
 Holton, H. Miles, 244 East 112th st.
 Hottenroth, Frederick W., 668 East
 134th street.
 Isaacs, Michael, 175 East B'way.
 Kaiser, Emanuel M., Hotel Beres-
 ford, cor. 81st st. & Central Pk. W.
 Kinkeldey, Otto, 41 East 132d st.
 Klein, Anthony W., 610 East Fifth
 street.
 Klein, Henry, 93 Columbia street.
 Krehbiel, Otto Frederick, 16 West
 120th street.
 Kunzmann, John Francis, 79 West
 101st street.
 Lederman, Jules Delmore, 128 East
 60th street.
 Lesser, Jacob J., 103 Forsyth st.
 Leventhal, Harold, 228 East B'way.
 Lewis, Moses, 143 Orchard street.
 Lewis, Samuel J., 217 East 106th st.
 Lindenstien, Samuel Griswold, 82
 West 68th street.
 Lowenstein, Simon S., 160 Attorney
 street.
 McGowan, William E., 244 East
 20th street.
 Magewirth, Julius O., care of Mrs.
 O. Sauer, 238th st., Woodlawn
 Heights.
 Magie, John E., 17 West 119th st.
 Menline, Joseph S., 356 East 69th st.
 Meyer, Julian Jacques, 2065 Madi-
 son avenue.
 Michelson, Max, 270 West 37th st.

Mork, Seymour, 348 East 51st st.
 Myers, David, 108 East 55th street.
 Nicholson, Douglas, 204 West 121st street.
 Pascal, Joseph L., 2357 Eighth av.
 Pasternak, Nathaniel, 76 Lewis st.
 Pfletschinger, Frederick, 184th st. and Tiebout avenue.
 Philip, Maximilian, 89 Pitt street.
 Pretzfeld, Charles J., 694 Madison avenue.
 Pretzfeld, Howard F., 59 East 83d street.
 Radin, Herman Theodore, 1 East 106th street.
 Reed, Wm. Clarence, 406 West 19th street.
 Reisman, Saml. C., 56 Broome st.
 Riederer, Herman S., 145 West 94th street.
 Rosalsky, Jos. Stonewall, 299 Broome street.
 Rosenovsky, Ellis L., 36 Henry st.
 Rosensohn, Samuel J., 49 Eldridge street.
 Salant, Louis, 348 East 78th street.
 Scheider, Fred. M., 187 East 64th st.
 Schulhofer, Samuel, 628 East Fifth street.
 Schwarz, Arthur Harold, 105 East 79th street.
 Scott, Allan, 258 West 24th street.
 Sowards, Theodore M., 1839 Madison avenue, corner 120th street.

Schattuck, Leslie Calhoun, 360 West 29th street.
 Silk, Moses, 375 Greenwich street.
 Silverman, Samuel, 333 Stanton st.
 Slavik, Wm., 40 Avenue B.
 Smith, Havilah Medless, 71 Perry street.
 Smolovitz, Abram, 105 East Fourth street.
 Sobel, David, 148 Henry street.
 Spitzka, Edward Anthony, 712 Lexington avenue.
 Stantial, Robert S., 540 East 163d street.
 Stern, Adolph, 494 Grand street.
 Stocky, Peter D., 15 East 130th st.
 Tennant, George G., 593 Third av.
 Teven, Sidney L., 238 Seventh st.
 Theobald, Jacob, 542 East 11th st.
 Tonn, Charles R., 352 East 89th st.
 Viertel, Samuel, 82 East 121st st.
 Wagner, Robert F., 700 East 137th street.
 Weil, Irving H., 2145 Seventh av.
 Weinberger, George Gabriel, 416 East 85th street.
 Weizenhoffer, Adolph, 334 East Houston street.
 Wolfson, Stanley, 128 East 56th st.
 Worm, Oscar R. W., 548 East 87th street.
 Ziegler, Charles Edward, Claremont avenue, High Bridge.
 Yuzzolino, Albert Mazzini, 81 Baxter street.

SOPHOMORE—CLASSICAL.

Abelson, Paul, 39 Catharine street.
 Ackerman, H. J., 437 West 34th st.
 Asch, Joseph Jefferson, 770 Lexington avenue.
 Bandler, Maurice Edward, 70 West 51st street.
 Bastine, Arthur R., 112 East 19th st.
 Block, Samuel John, 86 East 111th street.
 Bloomfield, Meyer, 161 Orchard st.

Bluhm, Julius, 321 East 79th street.
 Bracker, M. H., 97 Second avenue.
 Brand, Adolph, 634 East Fifth st.
 Brockway, Gilbert H., 231 Brook avenue.
 Browne, John, 207 West 16th street.
 Brummer, Sidney D., 222 West 139th street.
 Bullowa, Jesse Godfrey M., 46 East 66th street.

Burger, Henry S., 32 Pitt street.
 Caplan, Elias N., 162 Madison st.
 Davidoff, Henry, 85 Henry street.
 Davidson, Gabriel, 241 East 68th st.
 Davidson, Maurice, 259 East 78th street.
 Edelstein, Goodman, 26 Suffolk st.
 Eder, Phanor James, 123 West 80th street.
 Ehrenreich, Bernhard C., 736 Lexington avenue.
 Eichler, Menahem Max, 736 Lexington avenue.
 Elgas, Matthew J., Jr., 121 West 87th street.
 Ermolnekov, Jacob, 81 Stanton st.
 Felberg, Aron, 203 East B'way.
 Flatow, Solly L., 107 Henry street.
 Frank, Joseph S., 71 Seventh av.
 Freidenrich, Oscar W., 200 West 130th street.
 Gibney, Eugene C., 470 West 150th street.
 Goldstein, David, 252 Delancey st.
 Goodfriend, Nathan, 9 Avenue C.
 Goodman, Elias B., 409 East 6th st.
 Greenberg, Louis D., 346 East 106th street.
 Grossmann, Louis, 209 East 106th street.
 Israeli, Phineas, 736 Lexington av.
 Jacobs, Louis, 135 Rivington street.
 Jenkins, Raeburn W., 173 West 85th street.
 Jones, Isaac, 413 East 57th street.
 Kleinberger, Sidney F. N., 207 East 68th street.
 Knipe, William Hugh Wellington, 353 West 24th street.
 Koehler, Leopold Jacob, 321 East 69th street.
 Kramer, David, 324 West 33d street.
 Kudlich, H. Edgar, 56 West 17th st.
 Lazarowitz, Jacob, 26 Eldridge st.
 Lefkowitz, Aaron, 317 Stanton st.

Lichtenstein, George, 423 East 77th street.
 Loew, Elias A., 187 Ludlow street.
 Loew, Jno. T., 10 Amsterdam av.
 Loewinthan, Albert, 313 Rivington street.
 Loewenbaum, Uriel M., 336 East 123d street.
 McDonald, Robert F., 760 East 140th street.
 Marx, Phillip, 361 East 10th street.
 Méras, Albert A., 107 East 45th st.
 Mendelsohn, Harry, 154 Stanton st.
 Meyers, Harold, 140 East B'way.
 Michel, Abraham, 246 East 51st st.
 Moskowitz, Henry, 82 Delancey st.
 Penney, Clarence J., 104 East 55th street.
 Perl, Louis, 310 East Third street.
 Radin, Max, 1 East 106th street.
 Rosenberg, Louis, 167 East 103d st.
 Rosenthal, Charles M., 344 East 50th street.
 Schwartz, Leon, 149 Chrystie st.
 Schweitzer, Henry, 366 Ninth av.
 Seligmann, Rudolph A., 251 Seventh street.
 Siegel, Samuel J., 705 East 139th st.
 Sill, Arthur M., 1196 Park avenue.
 Skrivaneck, Joseph, 779 Courtlandt avenue.
 Sperling, Frederick W., 211 West 45th street.
 Steindler, Harry, 308 West 121st st.
 Steinhard, David, 329 West 84th st.
 Strauss, Charles A., 107 East 73d st.
 Strodl, George T., 183 Grand st.
 Strouse, Alex. L., 122 East 86th st.
 Supnik, Henry F., 28 Avenue B.
 Taschman, Max, 30 Norfolk street.
 Weiss, Jacob, 198 Second street.
 Weissman, Max, 328 Stanton street.
 Woolf, Samuel Johnson, 728 West End avenue.
 Woticky, Edward, 318 East 77th st.

SOPHOMORE—SCIENTIFIC.

Aarons, Sidney Henry, 130 East 76th street.
 Adlerman, Israel P., 94 First street.
 Apfel, Charles Lionel, 171 Rivington street.
 Baer, Jules Henry, 446 West 43d street.
 Beck, Samuel Saul, 199 East Houston street.
 Belitzer, Martin, 16 East 120th st.
 Bleich, Samuel David, 391 E. Houston street.
 Bloch, Bernhard, 212 Clinton street.
 Block, Louis Moses, 104 Delancey street.
 Bodenheimer, Milton, 336 East 50th street.
 Boyd, Robert Wright, 40 Perry st.
 Bremer, Alexander Magnus, 69 East 86th street.
 Britwitz, Meyer, 607 Eighth avenue.
 Burkan, Nathan, 113 Eldridge st.
 Cahn, Sidney Mortimore, 12 East 66th street.
 Camera, Americo Ulysses N., 1657 Third avenue.
 Cohen, Frank, 1200 Madison av.
 Cohen, Louis Jacob, 11 Montgomery street.
 Condon, George Stephen, 177 W. 101st street.
 Davis, Michael Marks, Jr., 206 West 139th street.
 Dougherty, Richard Erwin, 244 West 20th street.
 Dryfuss, Barney Joachim, 337 East 41st street.
 Epstein, Simon, 268 Henry street.
 Faulkner, Harry Richard, 340 West 28th street.
 Freudenheim, Solomon, 54 East 118th street.
 Friedenber, Edgar Mark, 34 East 70th street.
 Friedman, Arthur Lewis, 44 East 67th street.

Gilbert, Walter M., 637 Walton av.
 Goerwitz, William, 190 Third av.
 Goldberg, Samuel, 116 Stanton st.
 Goodhart, Julius Bien, 1148 Park avenue.
 Greenstein, Marx B., 39 East B'way.
 Gregory, Percival, 140 W. 38th st.
 Hamill, John, 347 East 14th street.
 Hirschthal, Meyer, 127 Rivington street.
 Hirsdansky, Simon, 24 Rutger st.
 Holzman, Ralph M., 132 East 74th street.
 Joffe, Marcus Edward, 187 East Broadway.
 Kramer, Isaac, 431 Grand street.
 Levy, Aaron W., 235 East 102d st.
 Levy, Charles, 308 Alexander av.
 Marcus, Morris, 79 Clinton street.
 Marks, Maurice E., 1034 Lexington avenue.
 Mayell, Albert J., 550 East 164th st.
 Mead, Nelson P., 405 West 17th st.
 Mehrlust, Jacob, 173 Second street.
 Michailovsky, Benjamin, 130 East 104th street.
 Moses, Montrose J., 252 West 84th street.
 Newman, Charles J., 168 Clinton st.
 Parsons, Isaac Dayton, 344 West 23d street.
 Phillips, Joseph F., 219 East 34th st.
 Raisin, Jacob S., 37 Rutgers street.
 Raphaelson, Samuel, 102 East Broadway.
 Reinhardt, Maurice, 148 East 89th street.
 Ritter, Julius, 118 First street.
 Rowan, Alfred G., 837 East 163d st.
 Sable, Louis A., 106 Avenue B.
 Saxe, Bernhard D., 32 Attorney st.
 Schnepel, Geo. A., 265 West 22d st.
 Shufro, Jacob J., 11 Eldridge street.
 Shulman, Morris, 302 East 125th st.
 Smith, Reginald H., 319 Lenox av.

Solis-Cohen, Leon M., 1270 Madison avenue.
 Solomon, Isaac, 841 Third avenue.
 Solon, Alexander S., 105 East 88th street.
 Starr, Frederick, 10 West 115th st.
 Steele, George Wm., 112 East 104th street.
 Stern, Albert, 494 Grand street.

Wund, William F., 327 East 30th st.

Stratton, Deane, 2013 Fifth avenue.
 Sundheimer, Malcolm, 38 West 76th street.
 Swick, David A., 541 East 16th st.
 Timme, Waldemar, 2 River View Terrace.
 Tuchman, Stanislaus N., 71 Essex street.
 Wood, W. G., 61 East 25th street.

SOPHOMORE—MECHANICAL.

Baumgarten, Charles, 312 East 70th street.
 Benda, Harry Robert, 355 West 24th street.
 Blume, Frederick William, 436 West 52d street.
 Boyer, Eugene Dell, Morris Heights.
 Boyer, Walter Le Compte, Morris Heights.
 Brand, Samuel, 246 East 27th street.
 Budds, Benjamin Courtney, 356 West 24th street.
 Chambers, Bernard, 128 East Houston street.
 Devlin, Joseph, 100 West 45th st.
 Geissler, Adolph, 356 East 50th st.
 Glaubiger Emil, 93 Lewis st.
 Grassi, Otto Joseph Anthony, 66 West 119th street.
 Gruntal, Edwin Aaron, 122 East 61st street.
 Jones, Alexander, 236 Fifth avenue.
 Kraus, Louis, 418 East 73d street.
 Leddy, John F., 764 Tremont av.

Zellermayer, Maurice Louis, 434 East 15th street.

Le Vien, Francis G., 695 East 135th street.
 Menges, Philip Charles, 451 West 48th street.
 Miller, Robert, 225 Brown Place.
 Mohr, Edward Henry, 17 Bedford street.
 Morgan, William Joseph, 134 East 94th street.
 Randolph, Fred. P., 51 East 29th st.
 Roell, Antone Joseph, 1059 Second avenue.
 Roos, Oscar Christian, 2025 Washington avenue, Tremont.
 Schmidt, Ernest Emmel, 25 Beekman Place.
 Solomon, Arthur Louis, 344 West 145th street.
 Vecchio, Louis, 48 Spring street.
 Whiteside, George Walter, 251 West 133d street.
 Wilcox, Curtis Lawson, 163d street and Grand Boulevard.
 Wild, James Henry, 316 East 125th street.

FRESHMAN—CLASSICAL.

Abramowitz, Herman, 736 Lexington avenue.
 Adams, Robert A., 16 St. Nicholas Place.
 Adler, Harry C., 114 West 77th st.
 Alten, Jos. R., 307 West 138th st.

Bandler, Clarence G., 168 West 121st street.
 Behren, Bernhard, 272 Rivington street.
 Berryman, Wilson G., 301 West 45th street.

Birnkrant, Jacob, 356 East 10th st.
 Blair, Robert Wesley, 122 West 19th street.
 Block, Max, 222 East Broadway.
 Blumenfeldt, Max, 32 Attorney st.
 Boehm, August A., 33 West 89th st.
 Bogert, Van Zandt, 219 East 17th street.
 Bopp, Walter F., 39 Seventh street.
 Boyle, Edward M., 334 West 19th street.
 Brand, Samuel, 206 East 104th st.
 Brandmarker, Jacob L., 95 Attorney street.
 Brinckerhoff, Gilbert G., 1350 Fulton avenue.
 Brockway, Richard M., 231 Brook avenue.
 Bromberg, Philip M., 14 East 116th street.
 Büchler, William Paul, 126 West 120th street.
 Bullowa, Ralph James M., 46 East 66th street.
 Cherry, T. Harris, 531 West 152d st.
 Clapp, Fred M., 353 West 15th st.
 Clark, Walter William, 609 East 136th street.
 Class, F. Morris, 122 West 126th st.
 Cohen, Morris W., 306 West 121st street.
 Condon, Joseph F., 882 East 169th street.
 Cook, Stephen G., 111 West 12th st.
 Creighton, B. Donald, 20 West 12th street.
 Damon, Albert H., 201 West 124th street.
 David, Frank H., 33 West 126th st.
 Davidson, Isidor, 241 East 68th st.
 Davidson, Joseph, 101 East 116th st.
 Davies, Howard L., 367 West 116th street.
 Dixon, John J. F., 32 West Houston street.
 Donnelly, John E., 103 West 74th street.

Donovan, John J., 751 East 141st st.
 Downey, William E., 158 West 44th street.
 Dressler, William B., 849 Amsterdam avenue.
 Drucker, Aaron P., 103 Madison st.
 Ehrlich, Simon, 203 Delancey st.
 Emelin, Michael J., 53 Stanton st.
 Ernest, Arthur Ogden, 76 East 86th street.
 Farries, James T., 1105 Lexington avenue.
 Fine, Harold E., 247 East B'way.
 Finkenstein, Jacob, 163 Ludlow st.
 Fischer, Francis, 140 Allen st.
 Flatto, Isaac, 170 East 95th st.
 Flynn, Thos. E., 71 West 48th st.
 Fox, Henry W., 345 Spring street.
 Frank, Samuel F., 132 East 47th st.
 Frankenthaler, Alfred, 45 St. Mark's Place.
 Franklin, Le Roy Ernest, 355 West 14th street.
 Friedman, Max, 257 Hudson street.
 Ginzler, Arthur, 405 East Houston street.
 Glanz, Hyman, 74 Norfolk street.
 Glasberg, Otto A., 159 Essex street.
 Glusker, Charles, 109 Broome st.
 Goldman, Isaac, 23 Bayard street.
 Gomprecht, Harry, 210 East 61st st.
 Goodman, Mark D., 2981 Third av.
 Gottlieb, Henry A., 57 East 132d st.
 Greenstone, Julius H., 736 Lexington avenue.
 Greensweig, Maurice, 245 Rivington street.
 Grossman, William, 123 Goerck st.
 Haas, Jacob, 192 Stanton street.
 Hahn, Herbert S., 2067 Third av.
 Harlem, David E., 248 West 37th st.
 Harris, Arthur H., 73 East 85th st.
 Harrison, Philip, 426 East 51st st.
 Haupt, George, 319 East 70th st.
 Hays, Harold, 153 West 91st street.
 Hebbard, Jr., Franklin, Hull avenue, Bedford Park.

Hellman, Alfred M., 15 East 92d st.
 Henschel, Louis, 1239 Washington
 avenue.
 Herman, Harry, 223 95th street.
 Hirsch, Louis A., 409 East 56th st.
 Hirsch, Louis J., 276 East B'way.
 Hirschman, Joseph, 316 East 79th
 street.
 Holstein, Samuel, 171 Eldridge st.
 Hooper, Ed. Prescott, 1070 Park
 avenue.
 Horowitz, Benjamin, 72 East 106th
 street.
 Hotchner, Henry, 108 East 90th st.
 Houston, Charles Albert, 141 West
 62d street.
 Howe, Arthur L., 137 West 128th
 street.
 Isaacs, Harry E., 20 East 115th st.
 Jacobs, Leo, 135 East 29th st.
 Jacobson, Walter, 137 Avenue A.
 Jordan, C. Victor, 145 West 128th
 street.
 Kahn, Mark, 39 Rutgers street.
 Kaplan, Mark, 736 Lexington av.
 Kastner, Isidor M., 108 East 96th
 st.
 Kaus, Herbert R., 460 West 49th st.
 Kauvar, Chas. H., 736 Lexington
 avenue.
 Kayser, Harry J. A., 1063 Lexing-
 ton avenue.
 Keane, William E., 1822 Anthony
 avenue.
 Kennedy, A. Norman, 163 West
 64th street.
 Kennedy, Daniel R., Jr., 152 West
 105th street.
 Kennedy, Roscoe E., 65 West 36th
 street.
 Knickerbocker, Edwin Van B., 145
 West 128th street.
 Kohn, Walter Thomas, 161 East 93d
 street.
 Korn, Raphael, 61 East 60th street.
 Krauskopf, Henry, 236 East 79th st.
 Kufeld, Max, 316 East Fourth st.

Landauer, Clifford D., 342 East 72d
 street.
 Langenbahn, Jr., Theodore, 429
 East 69th street.
 Leonard, John J. B., 502 Second av.
 Lewis, Warrington G., 101 Perry
 street.
 Lichtenstein, Walter Garfield, 88
 West 89th street.
 Lobel, Jacob, 222 Henry street.
 Low, Eugene, 102 West 58th street.
 Lowenberg, Reuben, 112 Eighth av.
 McKay, John F., 451 West Fourth
 street.
 McMahon, Wm. J., 499 Third av.
 McQuilland, George T., 672 Ninth
 avenue.
 Mack, Wilfred W., 471 Lenox av.
 Madigan, James C., 55 West 84th st.
 Manisof, Joseph, 11 Bleecker street.
 Merrill, Geo. A., 103 West 104th st.
 Michaelis, Arnold, 334 East 16th st.
 Milne, Charles, 124 East 45th st.
 Murphy, James F., 955 East 165th
 street.
 Murphy, Wm. R., 262 West 24th st.
 Neuman, Harry S., 604 Lexington
 avenue.
 Neumann, Henry, 513 East 86th st.
 Newman, Charles, 1774 Madison av.
 Newman, Morris, 123 Lewis street.
 Neuwelt, Louis, 118 East 116th st.
 Nides, Samuel, 248 West 124th st.
 Orr, Joseph K., 215 West 15th st.
 Orr, Wm. H., cor. 174th and Top-
 ping streets.
 Paley, Herman, 62 Catherine st.
 Picker, Louis Marks, 101 Henry st.
 Piza, R. Herbert, 495 Lexington av.
 Popper, William J., 330 East 54th
 street.
 Poyntz, Francis W., 124 East 110th
 street.
 Prokesch, Sol. Z., 11 East Houston
 street.
 Pulvermacher, Wm. D., 228 East
 86th street.

Rathbun, Wm. E., 1989 Madison avenue.	Steindler, Emanuel M., 308 West 121st st.
Ray, Edgar T. M., 416 West 55th st.	Sugarman, Moses A., 217 Henry st.
Raymond, Alexander F., 217 West 71st street.	Suling, John W., 8 Charlton st.
Riggio, Louis, 79 East 114th street.	Symes, Reuben C., 30 Downing st.
Roeder, Jehiäl Maurice, 174 East 95th street.	Taylor, Arthur N., 312 West 106th street.
Rosenbaum, Joseph, 169 Essex st.	Topper, William, 40 Delancey street.
Rosenbaum, Morris, 73 Cannon st.	Vogel, Louis, 458 Ninth avenue.
Rosenthal, Charles, 80 East Broadway.	Warts, Alex. B., 580 Lexington av.
Rosenthal, Morris, 188 Norfolk st.	Weinberger, Joseph, 100 Cannon st.
Rosenzweig, Abraham, 32 Rivington street.	Werner, Isidore H., 26 East 81st street.
Rothschild, Solomon, 337 East 51st street.	Wien, Francis, 1057 Lexington av.
Satenstein, David, 236 East B'way.	Wiener, Sol., 65 West 85th street.
Saymon, Ignatz, 282 East Houston street.	Wiggers, Emil A., 209 East 59th st.
Schlosberg, Samuel, 40 Delancey st.	Wilson, Henry McL., 6 Henderson Place.
Schwartz, Louis H., 132 Avenue D.	Witt, Abraham F., 74 East 105th st.
Selig, Joseph, 108 East 116th street.	Witzell, Martin, 100 East 128th st.
Silberstein, E. J.	Wolf, Nathan, 736 Lexington av.
Sinsheimer, Jerome M., 36 West 91st street.	Wolf, William, 223 West 115th st.
Solomon, Elias L., 736 Lexington avenue.	Wolff, Marks, 83 Monroe street.
Steeves, Frederick M., 427 Mott av.	Wollheim, Jacob L., 1485 First av.
Zipser, William Victor, 149 Rivington street.	Woodruff, Isaac O., Jr., 152 West 78th street.
	Woodruff, Lorande G., 202 West 103d street.

FRESHMAN—SCIENTIFIC

Agramonte, Albert Arthur, 110 Lexington avenue.	Berkowitch, Louis, 306 East 105th street.
Albert, Samuel Joseph, 78 Orchard street.	Blauner, Samuel, 134 Rivington st.
Alexander, George Mortimore, 28 West 115th st.	Blendermann, Harry J., 795 West End avenue.
Ansorge, Percy Irving, 61 West 134th street.	Blumenkranz, Adolphus, 187 Delancey street.
Anthony, Eugene, 66 Grove street.	Bock, Louis B. D., 1186 Madison avenue.
Barker, John Edward, 169th street, Walton avenue.	Bradley, Allan B. A., 304 West 83d street.
Bateson, Charles Edward, 146 West 95th street.	Breithut, Frederick Ernest, 1654 Madison avenue.
Beck, Louis Lepnard, 199 East Houston street.	Breitwieser, Theodore J., 74 Seventh street.

Brennan, Frank R., 2 Pike street.
 Burns, James J., 603 East 141st st.
 Butts, Arthur Clarkson, Jr., 1004
 Trinity avenue, East 164th st.
 Caplan, Max, 149 Clinton street.
 Charosh, Israel, 302 East Third st.
 Cohen, Isaac, 456 Grand street.
 Cohen, Moise K., 357 West 120th
 street.
 Cohen, Morris R., 109 Madison st.
 Crowe, Edwin R., 594 East 136th st.
 Cybulsky, William, 52 Suffolk st.
 Davidson, Arthur M., 4 West 128th
 street.
 Dillenberg, David Soloman, 325
 East 62 street.
 Edmunds, Kenzie B., 124 West 91st
 street.
 Eichhorn, Herman, 48 Essex street.
 Eichler, Emil, 338 East 118th street.
 Elowitch, Edward, 349 East 51st st.
 Endelman, Edward, 182 Madison st.
 Enowitz, Charles, 80 Monroe street.
 Ernst, Elias H., 111 East 101st st.
 Ernststein, Henry, 125 Ludlow st.
 Feinberg, Julius, 36 Essex street.
 Fendrich, Charles, 428 West 41st st.
 Ferguson, John B., 109 Manhattan
 avenue.
 Fitzsimmons, W. H., 492 Grand st.
 Frank, Arthur, 358 East 79th st.
 Friedenber, Albert Marx, "The
 Coronado," No. 73 East 81st st.
 Friedland, Jacob M., 149 Chrystie
 street.
 Frohne, Henry W., 306 East 119th
 street.
 Frucht, Simon, 162 Orchard st.
 Fulton, T. Hammond, 229 West
 99th street.
 Galicenstein, Arthur, 129 West 132d
 street.
 Garry, Arthur J., 217 East 39th st.
 Goldfarb, Abraham J., 50 Forsyth
 street.
 Goldstein, Henry P., 449 E. 116th
 street.

Goldwater, Sidney J., 2671 Third av.
 Goodwin, Phillips R., 6 Morning-
 side avenue.
 Harawitz, Abraham, 41 Essex st.
 Hartman, Gustave, 275 Second st.
 Hecht, Felix, 324 East Sixth street.
 Hirsch, Isaac S., 276 East B'way.
 Hoffman, Maurice H., 264 Cherry
 street.
 Homburger, Oscar M., 168 West
 96th street.
 Hunter, George Henry, 368 West
 35th street.
 Hurwitz, Joseph, 10 Suffolk street.
 Hussakof, Louis, 99 Norfolk st.
 Hyman, Wallace M., 987 Madison
 avenue.
 Isaacs, Reuben, 123 East 73d street.
 Jackson, Jerome Charleton, 220
 East 12th street.
 Jackson, Sylvester L., 217 East 12th
 street.
 Jacoby, George W., 112 East 70th
 street.
 Jacoby, Henry Edward, 195 Edge-
 comb avenue.
 Kaempfer, Louis G., 244 West 43d
 street.
 Kahn, Joseph, 237 Henry street.
 Kindlund, Martin G., 367 West 22d
 street.
 Konheim, Morris, 16 Rutgers Pl.
 Kommel, Louis, 82 East B'way.
 Krakauer, Julius A., 65 East
 Seventh street.
 Lefkowitz, Harry N., 163 Suffolk
 street.
 Lesser, Irving, 495 Manhattan av.
 Leventhal, Arthur, 199 East Hous-
 ton street.
 Levy, Marcel, 235 West 112th st.
 Libman, Abram, 180 East 64th st.
 Lifshutz, Nathan, 238 East B'way.
 Linker, John, 402 West 41st street.
 McBride, James Joseph, 222 East
 128th street.

McKinley, James Graham, 708 Lexington avenue.
 Mackby, Julius Caesar, 104 East Broadway.
 Magnus, Henry Charles, 18 West 96th street.
 Malowanzyk, Chas., 60 Eldridge st.
 Martin, Francis Xavier, 436 Lenox avenue.
 Mayer, Simon, 31 Pike street.
 Meyer, Scott Walter, 16 West 114th street.
 Miller, Frederic Warren, 997 Jackson avenue.
 Moran, Harry Powell, 1983 Madison avenue.
 Müller, Werner, 418 West 154th st.
 Neustadt, Herbert Marc, 30 West 92d street.
 Norton, Matthew Frank, 562 Mott avenue.
 Oppenheim, Louis, 141 East 111th street.
 Oppenheim, George August, 8 West 75th street.
 Prager, William L., 311 East 49th street.
 Puckhafer, Charles Claus, 337 Willis avenue.
 Puckhafer, George James, 337 Willis avenue.
 Radgik, Benjamin, 185 Henry st.
 Reid, Thomas Alexander, 444 West 58th street.
 Reich, Benjamin, 237 Delancey st.
 Roberts, Alfred, 1591 Lexington av.
 Robinson, Robert, 25 Rutgers Pl.
 Rosenbaum, Joseph, 102 East Broadway.
 Rosenblueth, Pincus 72 Avenue C.
 Rosenthal, Samuel, 129 Henry st.
 Ruskay, Everett Studley, 1617 Washington avenue.
 Salmon, Sidney Morse, 12 East 87th street.

Schaefer, Frederick Louis, 448 West 47th street.
 Schiff, Jacob Reuben, 178 Ludlow street.
 Schlivek, Kaufman, 476 Grand st.
 Schmidt, Frederick Sommer, 90 Second avenue.
 Schreiber, Henry, 353 East Third street.
 Sheitlis, David, 262 Cherry street.
 Silberman, Frank, 206 Rivington st.
 Silverman, Henry, 950 Second av.
 Simpson, Walter Booth, 458 West 24th street.
 Skernewitch, Abraham M., 179 East Broadway.
 Smith, Elbert O., 535 West 159th street.
 Smith, G. Waldo, 313 West 46th st.
 Solomon, Louis A., 230 Henry st.
 Stein, William M., 292 Manhattan avenue.
 Stengel, Henry, 92 Second avenue.
 Stewart, Walter H., 123 West 11th street.
 Sutcliff, Walter James, 213 East 36th street.
 Van Nostrand, Robert, 707 Eighth avenue.
 Ward, Gilbert Oakley, 347 Manhattan avenue.
 Weil, Sol, 1335 Lexington avenue.
 Weill, Nathan, Hebrew Orphan Asylum, 136th-138th street, Tenth avenue.
 Weisman, Charles, 150 Monroe st.
 Weiss, Morris, 111 Ridge street.
 Werben, Israel, 22 Bayard street.
 White, Francis Joseph, 239 East 54th street.
 Wilkinson, James Edward, Jr., 33 West 113th street.
 Woolf, Edgar A., 728 West End av.
 Yog, Martin, 3 Canal street.
 Zucker, Arthur A., 1227 Madison av.

FRESHMAN—MECHANICAL.

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| <p>Abramson, Samuel, 29 Attorney st.
 Adams, Albert G., cor. Bainbridge
 av. and Travers st., Bedford Pk.
 Alperin, Benjamin, 324 First av.
 Bennett, J. Albert, 88 Grove street.
 Bernstein, Louis P., 132 Broome st.
 Bloom, Edward J., 70 East 86th st.
 Briner, Oscar William, 620 Lexington
 avenue.
 Brown, Alexander John, 719 East
 178th street.
 Burke, Joseph A., 464 West 146th
 street.
 Cassen, Abner, 314 Madison street.
 Clark, F. Morton, 19 West 126th st.
 Clark, Walter L., 37 West 84th st.
 Conant, Stuart Mortimer, 551 West
 156th street.
 Connelly, Douglas Logan, 995 Morris
 avenue.
 Doernberg, Milton J., 127 East 95th
 street.
 Finkenauf, Wm. Milne, 208 West
 104th street.
 Freund, Harry P., 796 Lexington
 avenue.
 Gallagher, George B., 575 Tenth av.
 Giraldi, Raymond P., 358 West
 116th street.
 Goodhart, Ellmore H., Jr., 8 Morn-
 ingside Park West.
 Gottfried, John Y., 365 East Fourth
 street.
 Graff, Leslie, 1690 Broadway.
 Grant, Oliver Remick, 2236 South-
 ern Boulevard.
 Greacen, Samuel L., 307 West 33d
 street.
 Griffin, Gerald W., 423 East 52d st.
 Hagen, William C., 213 East 26th st.
 Hanlein, Theodore J., 122 East 92d
 street.
 Heath, J. Pierre, 51 East 29th st.
 Herfort, Paul, 153 East 89th street.
 Jonson, Edwin H., 321 East 124th
 street.
 Katzenstein, Martin L., 223 West
 133d street.
 Kayser, William D., 1063 Lexington
 avenue.
 Lagerwall, Charles J., 239 East 87th
 street.
 Laredo, Abraham, 25 East 110th st.
 Liebmann, Leo G., "St. Lawrence,"
 88th street, Madison avenue.
 Lucke, Herbert R., Kings Bridge.
 Martin, Fred J., 428 West 47th st.
 Mentzel, Charles, 251 East 52d st.
 Neidlinger, Samuel C., 218 West
 104th street.
 New, S. Sidney, 101 East 61st street.
 Sackheim, William I., 352 West
 38th street.
 Schaefer, Edward Franklin, 56
 West 132d street.
 Schmidt, Jr., Carl G. A., 101 East
 80th street.
 Schroeder, Louis Clausen, 26 West
 13th street.
 Schumer, Jacob H., 247 Broome st.
 Sowards, Robert L., 1839 Madison
 avenue.
 Smyth, Samuel, Jr., 405 East 61st st.
 Thompson, Louis C., 950 East 166th
 street.
 Waters, Rossiter Lester, 45 West
 70th street.
 Whitcup, Philip, 59 East 86th st.
 Williamson, Alfred, 110 West 91st
 street.
 Wilner, Elias, 218 West Fourth st.</p> | |
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SUB-FRESHMAN—CLASSICAL.

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|---|--|
| <p>Abelson, Isaac Jacob, 736 Lexington
 avenue.
 Abraham, James H., 55 East 83d st.</p> | <p>Acker, Frederick Edward, 776 For-
 rest avenue.
 Ahrens, Alfred H., 150 East 55th st.</p> |
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Alsdorf, Frank J., 11 West 63d st.
 Altman, Adolph, 174 Attorney st.
 Anson, Martin Chas., 102 West
 132d street.
 Appleton, Robert, 116 East 81st st.
 April, Nathan, 164 Suffolk street.
 Aronovitch, Abraham, 62 Baxter st.
 Aronson, Louis, 71 Clinton street.
 Barnes, Cornelius Frederick, 240
 East 38th street.
 Barnes, Lennox D., 56 West 84th st.
 Baron, Saul, 8 Mitchell Place, East
 49th street.
 Barra, Caesar, 153 Elizabeth street.
 Baughan, Frank, 102 West 106th
 street.
 Becker, Christie Walter, 2093 Third
 avenue.
 Benjamin, Henry C., 47 West 51st
 street.
 Berger, Charles, 340 East 87th st.
 Bettmann, Jesse W., 241 West 134th
 street.
 Blate, Samuel A., 2032 Second av.
 Blatt, Lionel E., 133 East 94th st.
 Blecker, James W., 440 West 51st
 street.
 Blitzer, Nathaniel, 202 Eldridge st.
 Block, Marks, 89 Division street.
 Blumlein, Maurice, 69 East 110th st.
 Boddicker, Arthur H., 325 East
 13th street.
 Brandies, 226 Eldridge street.
 Braun, Jacob, 319 East Third st.
 Broder, Charles, 45 Eldridge street.
 Brown, David M., 1973 Second av.
 Brown, J., 319 East Third street.
 Browne, Thomas Paul, 452 West
 57th street.
 Cahill, Francis T., 1010 Woodruff
 street.
 Casin, Julius, 163 Suffolk street.
 Cecire, Joseph, 146 Mulberry street.
 Chasins, Charles, 25 Clinton street.
 Cohen, Arthur J., 111 East 65th st.
 Cohen, David, 538 84th street.
 Cohen, Harry, 204 East Broadway.

Cohn, Julius, 1354 First avenue.
 Connolly, Frank V., 687 East 146th
 street.
 Corkey, Joseph A., 117 East 77th st.
 Cortes, Armand F., 93 West 103d
 street.
 Cosenza, Mario, 475 Fourth avenue.
 Costigan, Frank J., 318 West 84th
 street.
 Cowen, Harry G., 130 East 47th st.
 Cowie, John A., 140 Ninth avenue.
 Crowther, Albert Victor, 223 West
 112th street.
 Cutler, Ralph, 234 West 124th st.
 David, Jerome J., 68 East 120th st.
 David, Sydney R., 17 West 106th st.
 Davidson, Henry, 57 East 104th st.
 Decker, Albert, 209 West 35th st.
 De Grandmont, Marcel P. A. J. G.,
 69 Sixth avenue.
 Devlin, Charles J., 422 West 55th st.
 Doon, Charles W., 712 East 138th
 street.
 Draddy, Robert E., 623 West 48th
 street.
 Dworsky, David, 21 Rutgers street.
 Edelman, Selig., 35 Rutgers street.
 Eichner, Emanuel Adolph, 67 Can-
 non street.
 Eiseman, Aaron, 126 Seventh av.
 Eisenmann, Max., 405 East 82d st.
 Elgar, Harold B., 275 West 132d st.
 Fechtman, Louis F., 75 East 127th
 street.
 Federlein, Daniel H., 167 East 78th
 street.
 Feinman, Herman, 79 Stanton st.
 Fischer, Charles, 112 East 57th st.
 Fishman, Harris, 312 Madison st.
 Florsheim, Harry, 415 East 52d st.
 Foise, Joseph F., 109 West 64th st.
 Foley, James A., 309 East 19th st.
 Forrest, Thomas E., 412 West 57th
 street.
 Frank, David, 68 West 120th street.
 Frankel, Edward, Jr., 217 East 17th
 street.

- Freimann, Leopold, 238 Delancey street.
- Friedland, Solomon L., 135 Eldridge street.
- Friend, David E., 136 East 74th st.
- Garvey, Vincent J., 311 West 47th street.
- Geiringer, David, 91 First street.
- Gerrits, Harry M., 1668 Second av.
- Gerschaneck, Samuel, 57 East 104th street.
- Gilbert, Joseph, 90 Attorney street.
- Goldberger, Henry A., 911 Third avenue.
- Golden, John B., 33 City Hall Place.
- Goldman, Herman, 210 East 86th st.
- Goldstein, Alex., 16 West 117th st.
- Goldstein, Henry, 67 Stanton street.
- Gollubier, Martin, 10 Lincoln Pl.
- Gonnoud, Frank E., 101 West 48th street.
- Gookin, Warner F., 509 East 84th street.
- Gordon, Harry, 254 Madison street.
- Grad, Charles L., 303 East 10th st.
- Graham, Arthur B., 170 Lexington avenue.
- Green, Howard C., 386 Manhattan avenue.
- Greenbaum, Arthur, 1642 Madison avenue.
- Greenberg, John J., 210 Eldridge street.
- Greenstein, Arthur V., 169 East 95th street.
- Greif, Joseph, 232 Rivington street.
- Gross, Albert, 223 East Third st.
- Gross, Herman, 721 East Fifth st.
- Gruber, Charles, 543 East 84th st.
- Guion, John C., 1383 Washington avenue.
- Guterman, Louis H., 346 East 57th street.
- Gutman, Arthur H., 164 East 80th street.
- Haber, Ferdinand I., 149 West 78th street.
- Haines, Harold W., 153 West 121st street.
- Halberstadt, Joseph, 252 East 49th street.
- Haley, Jesse Hoyt, 509 East 88th st.
- Hall, Harold S., 351 West 58th st.
- Halperin, Jacob, 99 East Broadway.
- Harris, Modie, 73 East 85th street.
- Harron, James R., 118 East 93d st.
- Hartnedy, John Augustine Cornelius, 1656 Lexington avenue.
- Haughey, William R., Jr., 269 West 132d street.
- Hays, Arthur G., 153 West 91st st.
- Hayward, Sumner M., 593 Lexington avenue.
- Hebron, James, Jr., 209 Columbus avenue.
- Heidelberger, F. W., 832 Eighth av.
- Heiliger, Percy, 143 West 120th st.
- Heller, Max L., 97 Sheriff street.
- Heritage, Charles Irving, 348 West 47th street.
- Herlitzka, Louis, 97½ East Seventh street.
- Herskowitz, Joseph M., 64 Sheriff street.
- Herzig, Arthur, 10 East 130th st.
- Hess, Gabriel L., 242 East 116th st.
- Hesse, Harold G., 565 Walton av.
- Hilliard, R. B., 116 East 16th st.
- Hirsh, Albert, 265 West 21st st.
- Hirsch, Edgar Albert, 163 West 95th street.
- Hooper, Charles Thomas, 226 West 105th street.
- Horowitz, Israel, 230 East Seventh street.
- Huber, Henry, 19 Avenue, Williamsbridge.
- Hunt, Isaac M., 67 East 123d street.
- Jacobs, Edward M., 306 West 137th street.
- Jaffe, Benjamin, 133 Henry street.
- Jochum, Henry L., 465 East 57th st.
- Johnson, Edward, 34 Gansevoort st.

Jonas, Walter G., 316 East 69th st.
 Jones, Raphael, 13 Greenwich av.
 Kahn, Chester Arthur, 640 Lexington avenue.
 Kahn, Moses, 140 Lewis street.
 Kaiser, Leon S., 1295 First avenue.
 Kahrs, John D., 1592 Lexington av.
 Kamber, Lionel H., 246 Clinton st.
 Kanner, Samuel H., 635 Sixth st.
 Kaufman, Julius, 306 East 73d st.
 Kiely, John H., 432 Lenox avenue.
 Koblenzer, Maurice A., 234 East 78th street.
 Kreeb, Edward C., 344 East 43d st.
 Kreshover, Jacob S., 103 Eldridge street.
 Krumwiede, Charles, 505 Columbus avenue.
 Kunzmann, James, 79 West 101st st.
 La Fetra, Harry L., 114 East 26th street.
 Landau, Abraham, 223 East B'way.
 Landsman, Isidor, 226 East 107th street.
 Lang, Henry, 314 East 73d street.
 Le Comte, John R., 213 West 130th street.
 Lee, Joseph Walter, 353 Eighth av.
 Leibovitz, Samuel, 175 Eldridge st.
 Levenson, Saul, 56 East 118th st.
 Levin, Ernest H., 50 East 89th st.
 Levine, William, 99 Forsyth street.
 Levin, Zachary, 78 Bayard street.
 Levison, Jacob J., 145 Eldridge st.
 Levitin, Solomon, 230 East 75th st.
 Levy, Benjamin J., 210 East 74th st.
 Levy, Joseph, 30 East Broadway.
 Liberman, Samuel, 22 Delancey st.
 Lieb, Henry, 101 Monroe street.
 Liebert, Elias, 414 East 117th st.
 Lindeman, Maurice, 343 East 15th street.
 Liphshitz, Julius P., 106 Monroe street.
 Loeffler, Joseph, 132 East 87th st.
 Lord, Joseph A., 831 Elton avenue.
 Loria, Henry N., 423 East 69th st.

Lovering, Paul Henry, 255 West Tenth street.
 Lowie, Robert Harry, 66 East 105th street.
 Lucas, Russell G., 139 West 84th st.
 Lustgarten, Nathaniel William, 97 Orchard street.
 McIntyre, Otis L., 1463 Madison av.
 McMahon, Edward A., 1062 Franklin avenue, near 165th street.
 McParlan, John R., 880 East 135th street.
 Maeder, J. Samuel, 304 East 120th street.
 Maisel, Alexander J., 102 Canal st.
 Mandl, Aaron, 82 Avenue C.
 Mannion, Dennis F., 403 West 56th street.
 Marblestone, Joseph, 65 Pitt street.
 Markowitz, Max, 316 East Third street.
 Martin, Christopher J., 178 Forsyth street.
 Marx, Meyer, 361 East 10th street.
 Masterson, Peter J., 169 West 63d street.
 Michaelson, Herman, 47 Forsyth st.
 Michaelson, William, 310 East 58th street.
 Michel, J. H. Christian, 306 East 80th street.
 Miles, John T., West 171st street, Kingsbridge road.
 Mohr, Fred J., 530 West 142d st.
 Molloy, George T., Woodlawn.
 Monsky, William, 154 Henry street.
 Morris, William E., Jr., 2625 Marion avenue, Fordham.
 Moskowitz, Abraham, 115 Cannon street.
 Moskowitz, Edward, 285 East Third street.
 Moss, Solomon D., 205 East 62d st.
 Mulholland, Vincent I., Marion av. and Brookline street, Fordham.
 Nachumson, David B., 104 East Fourth street.

- Neugebauer, Norman C., 110 East 41st street.
- Neuwirth, Isidore W., 258 Rivington street.
- Newman, Frederick J., 7 Great Jones street.
- Newman, Martin, 826 Tenth av.
- Newmann, Frederick C., 264 Cherry street.
- Nichthausen, Bernard, 519 Eighth avenue.
- Nifenecker, Eugene A., Jr., 457 Canal street.
- Nussbaum, Benjamin, 390 Seventh avenue.
- Nyman, Joseph, 25 Montgomery st.
- Oberwager, John, 25 East Third st.
- Otenberg, Reuben, 58 East 92d st.
- Pallay, Julius J., 11 Sixth avenue.
- Patterson, Harry V., Jr., 112 East 122d street.
- Pecora, Ferdinand, 135 Ninth av.
- Peppler, John G., 646 Tenth avenue.
- Phillips, Herman, 221 Division st.
- Polowe, Max L., 635 East Sixth st.
- Quevedo, Richard C., Jr., 316 East 57th street.
- Raucher, Joachim ben Zion, 49 Essex street.
- Reich, Nathaniel D., 125 Lexington avenue.
- Reilly, James Joseph, 337 East 57th street.
- Richmond, Julian P. W., 1223 Simpson street.
- Rogers, Curran, 214 West 128th st.
- Rosenbluth, Michael, 98 Attorney street.
- Rosenthal, Joseph, 254 Bowery.
- Rosentreter, Isaac G., 328 East 123d street.
- Roth, Simon M., 182 Rivington st.
- Rubenstein, Herman J., 95 Forsyth street.
- Ruskay, Burrill D., 1617 Washington avenue.
- Rutsky, Morton S., 3 West 128th st.
- Saphir, Joseph F., 285 East Third street.
- Sartori, Antonio J., 179 Park Row.
- Scannell, Thomas J., 12 East 130th street.
- Schade, Henry B., 212 East 45th st.
- Schaefer, Emil G., 210 East 28th st.
- Scheel, Henry V. R., 121 East 83d street.
- Schuh, Charles F., 2449 Third av.
- Schwartz, Morton L., 1125 Madison avenue.
- Schwartz, Moses, 128 Henry street.
- Seligsberg, Walter N., 1023 Park avenue.
- Seringhaus, Fred W., 954 Eighth avenue.
- Sichel, Arthur A., 150 East 72d st.
- Silberberg, Abraham, 141 East Broadway.
- Silverstein, Jacob, 432 East Houston street.
- Simon, Isidor, 156 Henry street.
- Simpson, Edwin M., 435 Central Park West.
- Sladkus, Solomon E., 242 East Seventh street.
- Smith, Charles J., 669 East 152d st.
- Smithers, John E., 716 East 138th street.
- Sobel, Isidore, 20 Clinton street.
- Solomon, Hyman, 231 Broome st.
- Specht, William H., 229 East 52d st.
- Spinrad, Michael, 94 Sheriff street.
- Steeves, Harrison R., 427 Mott av.
- Stephens, Wm. H., 38 Seventh av.
- Stern, Arthur B., 18 West 95th st.
- Stern, De Witt H., 13 West 88th st.
- Stern, Isaac F., 133 East 80th street.
- Stern, Milford, 313 East 80th street.
- Stern, Walter D., 73 East 121st st.
- Stockvis, Milton E., 413 West 18th street.
- Straicher, Morris, 84 Stanton st.
- Suker, John F., 613 East 154th st.
- Sulzberger, Mayer, 315 East 116th street.

Taylor, Howard C., 252 West 136th street.
 Tendler, Joseph L., 26 Rutgers st.
 Tennant, William, 593 Third av.
 Thompson, Joseph N., 697 Washington street.
 Tiedemann, Frank H., 103 Washington street.
 Tintner, Benjamin, 205 East 114th street.
 Tobin, John L., 476 West 34th st.
 Tolleris, Charles, 60 Ridge street.
 Tompkins, Millard Fillmore, 170 West 10th street.
 Tompkins, Wm. C., 164 West 83d street.
 Toussaint, Joseph, 748 East 167th street.
 Trell, Albert, 140 East 97th street.
 Tynan, Joseph A. L., Audubon Park, near 157th street West.
 Tyndall, Carlton Henry, 23 East 105th street.
 Unger, Henry, 98 Columbia street.
 Van Raalte, Joseph, 124 West 84th street.

Voss, Emanuel, 67 East 91st street.
 Wallace, William H., Ft. Schuyler road, West Chester.
 Waters, Spencer, 45 West 70th st.
 Weill, Eugene E., 494 Eighth av.
 Weinstein, Louis, 75 E. Broadway.
 Weiss, Harold L., 209 East 115th st.
 Weiss, Jacob J., 414 East 16th st.
 Weller, Roy H., 323 East 150th st.
 Werblinsky, Abner S., 174 Monroe street.
 Wermes, William, 44 East 110th st.
 Wertz, Charles, 620 East 11th st.
 Whitcup, Lester, 59 East 86th st.
 Widrevitz, David, 217 Henry street.
 Wile, Oscar, 304 West 89th street.
 Windle, J. H., 624 Greenwich st.
 Wise, Joseph H., 119 East 65th st.
 Wohl, Albert A., 723 Fifth street.
 Wood, Douglas J., Hotel Bayard, cor. 54th street and Broadway.
 Wynne, John T., 307 East 69th st.
 Yeomans, Harry M., 307 West 12th street.
 Zahn, Rudolph H., 1624 Second av.
 Zipser, Benjamin W., 90 Goerck st.

SUB-FRESHMAN—SCIENTIFIC.

Abbott, Howard E., 336 West 30th street.
 Abrams, William L., 96 Greenwich avenue.
 Allen, James H., 324 West 48th st.
 Arnold, William J., 257 West 123d street.
 Asher, William, 139 East 114th st.
 Bach, Milton J., 11 East 92d street.
 Barnett, Benjamin, 220 East 72d st.
 Bateson, Richard H., 146 West 95th street.
 Beisheim, William F., 287 Seventh street.
 Beneville, Regis, 414 East 116th st.
 Bernhardt, Andrew A., 116 Suffolk street.
 Bernstein, Aaron, 222 Madison st.

Bernstein, Harry H., 50 Essex st.
 Birkhahn, Robert, 105 East 88th st.
 Blan, Jules, Jr., 210 East 82d street.
 Blan, Louis B., 210 East 82d street.
 Blenderman, Edward H., 797 West End avenue.
 Block, Alexander, 120 Ludlow st.
 Block, Alexander L., 146 Eldridge street.
 Block, Daniel W., 309 West 54th st.
 Bloomberg, Alfred H., 120 East 62d street.
 Bloomfield, Howard W., 61 West 87th street.
 Blum, Michael, 114 Willett street.
 Bohan, Owen W., 411 West 49th st.
 Borck, Charles, 213 East 72d street.
 Borowsky, Morris, 42 East B'way.

Boswell, Ralph C., 27 West 34th st.
 Brennan, George F., Marcher avenue, Highbridge.
 Brenner, Sol. N., 29 Pike street.
 Brod, Oscar J., 106 East 64th street.
 Buchbinder, Hyman E., 33 Attorney street.
 Bunker, D., 58 West 129th street.
 Bunker, Dumont, 2766 Briggs av.
 Burnett, Eugene Rodney, 17 West 129th street.
 Burns, Frank A., 362 East 177th st.
 Carroll, James F., 340 East 58th st.
 Carroll, Vincent Paul, 106 East 84th street.
 Callaghan, James G., 350 E. 116th street.
 Cailahan, Joseph T. P., 443 East 121st street.
 Cebulsky, Jacob, 52 Suffolk street.
 Childs, Harry R., 202 West 74th st.
 Clark, Marshall W., 262 West 11th street.
 Cleverdon, Fred R., Berry street, Tremont.
 Cohen, Abraham, 34 Norfolk street.
 Cahen, Waldemar M., 227 West 44th street.
 Collyer, Homer L., 109 East 54th street.
 Collins, John P., 350 West 33d st.
 Courtney, George W., 73 Perry st.
 Crone, Harry, 152 East 89th street.
 Curtin, William J., 761 East 166th street.
 Danziger, Nathan, 16 Pitt street.
 Davis, Moses, 712 Sixth street.
 Del Monte, Joel, 173 East 75th st.
 Derletlo, Walter T., 674 East 135th street.
 Dessar, Herbert J., 234 East 61st st.
 Dittenhoefer, L. Franklin, 1026 Park avenue.
 Dottenheim, Harry S., 543 East 86th street.
 Douglas, Harry McK., 145 West 81st street.
 Doyle, Thomas F., 302 East 29th st.
 Dublin, Louis I., 53 Ludlow street.
 Duke, Thos. P., Bush street, Tremont.
 Eckmann, William, 285 Delancey st.
 Edelstein, Isidore, 236 E. B'way.
 Edwards, Chas. C., 367 West End avenue.
 Ehrlich, William, 731 East Fifth st.
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 Erlanger, Sydney B., 157 West 120th street.
 Feldmann, Jacob, 29 Attorney st.
 Felix, Louis, 512 East 116th street.
 Feuerbach, Lawrence E. J., 332 West 47th street.
 Fisher, Harry A., 914 St. Nicholas avenue.
 Frankel, Morris G., 141 Monroe st.
 Frankstone, Robert, 309 East 70th street.
 Freeman, Clarence W., 70 East 80th street.
 Fridiger, Louis, 3297 Third avenue.
 Friedman, Harry J., 147 Suffolk st.
 Friedman, Maurice D., 105 Allen st.
 Friedman, Philip, 90 East B'way.
 Fruhauf, Saul, 360 Bowery.
 Garner, William F., 1125 Park av.
 Gastman, Abraham, 132 Suffolk st.
 Gee, William Ernest, 100 Greenwich avenue.
 Gilbert, Max, 101 West 87th street.
 Glasscheib, Simon H., 273 East Third street.
 Goldberg, Herman, 116 Stanton st.
 Goldberger, Sydney, 63 Pitt street.
 Goldstein, Charles, 252 Delancey st.
 Goldstein, Chas. L., 95 Goerck st.
 Goodhart, Arthur Joseph, 1148 Park avenue.
 Greenfield, Jacob, 91 Clinton street.
 Gutgsell, Adolph E., 1104 Lexington avenue.
 Hamilton, Chas. R., 39 Bank street.

Hanff, Joe A., 217 West 122d street.
 Harper, Chas., 80 East 55th street.
 Hart, Edward F., 196 West 134th st.
 Hartmann, Ingo F., 1391 Washington avenue, near 170th street.
 Hays, David, Bensonhurst, L. I.
 Hendrickson, W. Harold, 877 Cauldwell avenue, near 161st st.
 Henes, Louis Geo., 128 East 93d st.
 Herrmann, Isadore H., 100 Avenue C.
 Hertz, Edward, 123 Columbia st.
 Hertz, Henry L., 422 East 57th st.
 Hess, C. August, 439 East 118th st.
 Hilgeman, William, 1102 Stebbins avenue.
 Hollander, Frank J., 418 East 82d street.
 Holston, William H., 981 East 169th street.
 Hunt, Russell J., 132 West 28th st.
 Isaacs, Benjamin, 175 East B'way.
 Isaacs, Edward R., 349 West 122d street.
 Itzkowitz, Moses, 42 Avenue D.
 Jones, Bevan, 207 West 84th street.
 Kahn, Arthur C., 110 West 46th st.
 Kaufman, William, 305 East 116th street.
 Kiernan, Joseph D., 1290 First av.
 King, Edward P., 142 West 133d st.
 Kingsley, George N., 155 East 38th street.
 Klein, Edward, 93 Lewis street.
 Klein, Samuel, 86 Sheriff street.
 Konheim, Jerome, 16 Rutgers Pl.
 Kovarsky, Abraham, 52 Forsyth st.
 Kohnstamm, Lothair, 133 East 71st street.
 Korn, Harold, 45 East 74th street.
 Kramer, Max, 431 Grand street.
 Kringel, Harry Lionel, 712 East Sixth street.
 Kruskal, Herman, 178 Henry st.
 Lamport, Simon C., 287 Madison street.
 Lane, Charles, 30 Henry street.

Lass, Martin L., 202 East B'way.
 Lauber, Alexander, 1113 Second av.
 Leibson, Jacob J., 88 Norfolk street.
 Lengemann, Louis P., 348 West 48th street.
 Leonhardt, Ernest W., 1652 Avenue A.
 Lesselbaum, Samuel, 35 Orchard st.
 Levene, Moses, 242 Monroe street.
 Levy, Abraham, 250 Clinton street.
 Levy, Benjamin, 208 Broome street.
 Levy, C. Arthur, 406 East 57th st.
 Levy, Jerome, 114 East 84th street.
 Levy, Samuel M., 225 East Fourth street.
 Lewis, Isidore, 37 Rutgers street.
 Lewis, Nathan, 634 Second avenue.
 Lewis, Walter S., 57 East 65th st.
 Liberman, Joel, 689 Eighth avenue.
 Lichter, Isidore, 100 East 119th st.
 Liebergall, Joseph, 166 Norfolk st.
 Linton, Albert D., 848 Morris ave.
 Lippman, Louis, 31₁ West 63d st.
 Lorber, Aaron Nathan, 115 Ridge street.
 Loughrey, Augustine P., 332 East 17th street.
 Lubelsky, Isidor Louis, 316 East Fourth street.
 Lüders, Oscar F., 111 West 84th st.
 McBride, William John S., 1128 Park avenue.
 McKeever, Arthur G., 17 Bank st.
 Mandell, Arthur C., 122 Columbia street.
 Margulies, Louis, 188 Allen street.
 Martin, William F., 450 West 55th street.
 Martinez, Antonio Constantino, 55 McDougall street.
 Marx, Harry, 244 Division street.
 Mead, Edgar R., 47 Morton street.
 Mendelson, Percival P., 645 Madison avenue.
 Meuer, Abram, 145 East 82d street.
 Meyer, Leonard B., 136 West 132d street.

Mitchell, Maurice, 16 East 120 st.
 Mittelstaedt, Edward Louis William, 86 University place.
 Modry, Arthur S., 140 East 74th st.
 Moraff, Herman, 51 Monroe street.
 Morgenbesser, Hyman, 142 Suffolk street.
 Moseson, Louis A., 180 Henry st.
 Mott, Clarence W., 1704 Bathgate avenue, Tremont.
 Mundorff, Fredk. W., 33 Avenue B.
 Norr, Henry I., 122 Monroe street.
 Oltarsh, David M., 15 Eldridge st.
 Oppenheimer, Leon N., 44 West 119th street.
 Orange, Jacob, 142 Essex street.
 Osk, Meyer L., 16 Montgomery st.
 Ostrander, Charles, 155 West 84th street.
 Pergament, Abraham B., 1945 Allen street.
 Plumer, Samuel, 263 Madison st.
 Pollatschek, Isidor, 752 Fifth st.
 Poons, Isadore, 308 East 90th street.
 Price, Isaac, 60 Eldridge street.
 Purdy, Walter Macy, 211 East 123d street.
 Rabinowich, Alexander S., 43 Canal street.
 Rabinowitz, Louis, 219 Madison st.
 Ray, Thomas F. M., 416 West 55th street.
 Reed, Howard Edwin, 34 Grove st.
 Rich, Marcus Charles, 352 East 69th street.
 Rickaby, Hamilton Charles, 258 West 42d street.
 Rosenberg, Abraham, 134½ Monroe street.
 Rosenberg, Hyman, 21 Willett st.
 Rosensohn, Meyer, 49 Eldridge street.
 Rothschild, Leo Herbert, 11 East 83d street.
 Rourke, John, Williamsbridge.
 Rubenstein, Jacob, 222 Henry st.
 Salzer, Edwin, 232 East 72d street.

Salzman, Max Joseph, Hebrew Orphan Asylum, 138th street and Tenth avenue.
 Samet, Harry, 122 Sheriff street.
 Scadron, Samuel, 30 Orchard street.
 Schapiro, Joseph, 237 Delancey st.
 Schimunek, Emil, 225 East 71st st.
 Schlesinger, Rudolph, 105 East 101st street.
 Schlesinger, R., 105 East 101st st.
 Schovemsfeld, Jacob, 37 Willett st.
 Schwab, Edwin, 6 West 90th street.
 Schweizer, Sollie Emanuel, 320 East 50th street.
 Shapiro, Benjamin, 76 East Broadway.
 Shapiro, Benjamin Charles, 184 Henry street.
 Sheitlis, Benjamin, 262 Cherry st.
 Sherman, Louis, 89 Pitt street.
 Shwitzer, Samuel David, 103 West 31st street.
 Silbiger, Harry, 64 East 120th st.
 Silverstein, Joseph, 30 West 116th street.
 Simon, Milton Leopold, 21 East 91st street.
 Simowitz, Max, 75 Orchard street.
 Smith, Aaron, 60 East 107th street.
 Smith, Thomas Glover, 214 East 16th street.
 Solomon, Frank, 841 Third avenue.
 Solomon, Morris, 122 Ridge street.
 Springer Isidore, 17 Pitt street.
 Spitzer, Daniel, No. 33 Stanton st.
 Sternglanz, Elias, 223 West 130th street.
 Steiner, Jerome, 49 Seventh street.
 Stern, Alfred Joseph, 110 East 78th street.
 Stewart, Edgar E., 123 West 11th st.
 Stumm, Carl, 232 West 15th street.
 Stubenrauch, William Charles, 978 Trinity avenue.
 Tiedemann, Alfred G., 120 East 104th street.

Tekulsky, Solomon, 128 East 94th street.
 Titus, Howard P., 1227 Madison avenue.
 Toerner, Frederick W., 160th street near Forest avenue.
 Tucker, Charles F., 246 West 132d street.
 Tuller, Edward B., 13th street, Unionport.
 Tytler, James E., 113 West 126th street.
 Wagner, Louis F., 185th street and Washington avenue.
 Walter, Louis, 56 Willett street.
 Waltz, Millard Fillmore, Jr., 958 Eighth avenue.

Wechsler, Joseph, 220 Chrystie st.
 Weiss, Henry, 78 Avenue C.
 Willits, William Berghold, 148 West 127th street.
 Wisansky, Jacob, 189 Division st.
 Wisansky, Louis, 1 Essex street.
 Wolf, Jacob I., 33 Essex street.
 Wolfe, David, 132 East Broadway.
 Wolfe, Lee J., 71 East 92d street.
 Wolff, Harry A., 582 Third avenue.
 Wray, Clifford, 347 West 28th st.
 Wray, James, 1883 Vyse avenue.
 Zabriskie, Harry, 109 West 106th street.
 Zimmerman, Isidore, 130 East 94th street.
 Yog, Max, 3 Canal street.

SUB-FRESHMAN—MECHANICAL.

Back, Harry E., 466 West 166th st.
 Ball, Laurence Adams, Sheil street, Williamsbridge.
 Ballenberg, Milton, 240 East 48th street.
 Barshell, Frederick, 336 East 71st street.
 Baruch, Alex. J., 124 East 76th st.
 Bein, Felix W., 262 West 133d st.
 Bibbins, Wm. A., 232 East 85th st.
 Bigelow, Lem C., 511 West 145th st.
 Bingham, I. Sabin, 24 West 60th st.
 Böhnel, William E., 24 Sutton pl.
 Bolster, Vinton V., 1979 Washington avenue.
 Bryce, James W., 1035 Stebbins ave.
 Butler, Robert M., 323 Forest ave.
 Carlock, Daniel J., 104 East 124th street.
 Cohen, Joseph, 451 East Houston street.
 Colgan, Kieran L., 230 East 24th street.
 Cooley, Roswell P., 40 Seventh ave.
 Crawford, Frank H., 626 Columbus avenue.
 Crear, Wm. 237 West 105th street.

Deegan, John J., 165th street, east of Amsterdam avenue.
 Deimel, Richard Francis, 890 Cauldwell avenue near 161st street.
 Diamant, Sidney, 245 East 118th st.
 Dougherty, Chester C., West 183d street and Kingsbridge road.
 Engel, Henry, 132 Avenue D.
 Evans, Edward C., 221 West 129th street.
 Faber, John P., 315 East 58th street.
 Feiner, William, 79 Seventh street.
 Fenn, Edward, 46 West End avenue between 66th and 67th streets.
 Fisk, Almond D., 477 Fourth ave.
 Fitzgerald, William J., 212th street near Harlem River.
 Formica, Otto, 451 West 46th st.
 Friedman, Emanuel, 91 Goerck st.
 Friedman, Joseph H., 224 Rivington street.
 Garrecht, Arthur C., 1028 Prospect avenue.
 Gaskell, William, 329 East 65th st.
 Gold, Leo, 1562 Madison avenue.
 Goldberg, Harry, 145 East 56th st.
 Goldsmith, Louis, 553 Morris ave.

Goodman, Louis, 611 Sixth street.
 Gossett, Morris, 62 Baxter street.
 Greason, Robert R., 107 West 106th street.
 Greenbaum, Charles, 34-36 Carmine street.
 Greenhaus, Samuel, 121 Delancey street.
 Gregory, G. Heathe, 133 East 17th street.
 Hagelstein, Carl W., 432 College avenue.
 Halpenn, Samuel H., 412 Lenox avenue.
 Hanford, Russell H., 1246 Fulton avenue.
 Harris, John E., 450 West 29th st.
 Hartmann, Jacob, 421 East Ninth street.
 Hebard, Edward A., 1226 Intervale avenue.
 Herm, Henry M., 51 Sullivan av.
 Heyman, Harry, 428 East 57th st.
 Hicok, De Los N., 2,500 Tiebout avenue, Fordham.
 Higby, Frederick W., 152 West 78th street.
 Houtman, Joseph, 444 East 116th street.
 Hudson, Andrew J., 171 West 10th street.
 Illwitzer, Robert J., 451 East 119th street.
 Jacoby, Herbert S., 427 West 147th street.
 Karl, Charles P. I., Aqueduct ave., Highbridge.
 Katzenstein, William, 223 West 133d street.
 Kelly, Edward J., 1793 Amsterdam avenue.
 Kirschbaum, Fred., 218 East 49th street.
 Kissick, William J., 504 West 44th street.
 Klipstein, Max, 214 Rivington st.

Laidlaw, Wm. R., Jr., 251 West 92d street.
 Lee, Edmund A. S., 362 West 35th street.
 Levi, Benjamin I., 318 West 117 st.
 Levy, David, 765 Tenth avenue.
 Lith, Perkvan Gerard, 218 West 104th street.
 Littman, Isidor, 260 West 133d st.
 Litts, Norman James, 100 East 87 street.
 McGovern, George W., 148 East 63d street.
 McInerny, Edward J., 179th street and Audubon avenue.
 McIntosh, Robert L., 22 Seventh avenue.
 McNabb, William J., 488 East 176th street, Tremont.
 Margolis, Samuel, 178 Canal street.
 Marrin, George O., 344 East 31st st.
 Menges, Chas. P., 451 West 48th st.
 Miles, Russell Livingston, 246 West 14th street.
 Miller, Max, 149 East 33d street.
 Moeller, Henry M., 6 West 75th st.
 Moore, Carl MacDowell, Audubon Park.
 Morgan, George J., 566 Third ave.
 Morris, Benjamin, 20 East 114th street.
 Muenz, Sigmund, 635 Sixth avenue.
 Murphy, Walter Harry, 119 East 120th street.
 Neumann, Edwin Douglas, 185th street and W 11th avenue.
 Newman, Enrico William, 47 East 65th street.
 Nooney, William Henry, 151 East 116th street.
 Oppenheim, Louis, 166 West 121st street.
 Palmer, Montague, 164th street and Morris avenue.
 Patterson, Alexander John, 665 Second avenue.

Pohalski, Arthur Leon, 68 East 111th street.
 Pollak, Leo, 1496 Second avenue.
 Poppellwell, Sidney, 258 East 33d street.
 Prochaska, Harry, 243 East 68th st.
 Prosnitz, William, 134 West 104th street.
 Rogers, Augustus, 214 West 128th street.
 Rosenbaum, Henry J., 253 West 121st street.
 Rosenbaum, Nathan, 253 West 121st street.
 Rosenberg, Bernard, 33 West 44th street.
 Rothschild, Henry, 205 Worth st.
 Ruiz, Antonio Leonidas, 123 West 33d street.
 Russell, Wm. Richmond, 132 West 104th street.
 Ryan, Joseph Ambrose, 312 Front street.
 Saenger, Charles, 117 West 97th st.
 Savage, Harvey M., 300 West 14th street.
 Schellenberg, Frank Otto, 353 West 40th street.
 Scheuer, James Theodore, 123 West 97th street.
 Schwagerl, Joseph Walter, 255 West 35th street.
 Schwalenberg, William Henry, 425 East 51st street.
 Schwitters, Edo J., 80½ Jane street.
 Segal, Mandel, 157 Allen street.
 Sheridan, Walter J., Home and Simpson streets.
 Sirtoli, Vincent, 767 Sixth avenue.
 Solotaroff, Wolf, 291 East Fourth street.

Soossen, William H. A., 63 West 133d street.
 Speckel, Gustave T., 631 West 152d street.
 Spingarn, Noah, 207 West 78th st.
 Squier, Harold N., 259 West 99th street.
 Steimer, Alfred E., 8 West 102d st.
 Stern, Fred, 32 East 126th street.
 Stevens, Harry A., 15th street, Williamsbridge, N. Y.
 Strothmann, Conrad N., 48 Hudson street.
 Teackle, Alexis C., 56 West 56th st.
 Ten Eick, Arthur R., 81 East 111th street.
 Thurnauer, Arthur F., 113 East 61st street.
 Trede, George M., 605 West 187th street.
 Tryon, Clarence F., 204 West 133d street.
 Tusenhansen, Ferdinand P., 1235 Lexington avenue.
 Viebrock, Charles H., 446 West 50th street.
 Votava, Joseph C., 426 East 86th st.
 Wall, John F., 1825 Amsterdam av.
 Weinberger, Maurice X., 94 Lewis street.
 Welsh, Joseph H., 153 West 83d st.
 Williams, Asa S., 130 West 70th st.
 Wineburgh, Charles, 223 W. Houston street.
 Witz, Garfield Theodore, 443 West 41st street.
 Wolheim, Louis R., 167 East 106th street.
 Wood, Robert W., Union street, High Bridge.
 Zacharias, Edward, 150th and 151st streets, Western Boulevard.

UNIVERSITY OF THE STATE OF NEW YORK,

THE COLLEGE OF THE
CITY OF NEW YORK.



FORTY-NINTH ANNUAL REGISTER.

1897-1898.

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OF THE

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1897.

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The College.

THE College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State passed May 7, 1847, and ratified by a vote of the people of the city June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges and to visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was by Act of Legislature made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text books and apparatus.

TERMS, VACATIONS, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September and closes on the fortieth Thursday

thereafter. It is divided into two terms. The first term closes on the fourth Friday of January; the second term begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive, and the Spring vacation, the week in which occurs the 1st day of May. There are no College exercises on legal holidays or on any Friday immediately following a legal holiday.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before the opening day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Spelling, English Grammar, Arithmetic, Geography, History of the United States* and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they came are made known to the instructors conducting the examination, but each candidate is designated during the examination by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examinations in June special examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

Each candidate for admission must present to the President of the College a certificate signed by his parent or guardian, and, if possible, by the Principal of the school which he last attended, specifying the dates and length of time of his attendance.

A student who has remained at College for at least one year, and has borne a good character, will, when leaving, receive a certificate stating the time he has attended and the studies he has pursued, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission his name is stricken from the rolls and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 22 to 23.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course, which leads to the degree of Bachelor of Arts, gives a special prominence to the Latin and Greek languages, but includes one modern language also in the Senior year. In the Scientific and Mechanical Courses more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of Mechanical Science during the Senior year and in making practice in the workshop and mechanical laboratory obligatory to the extent of four hours

a week, on an average, during the entire course. The time for this extra work is provided, in part, by the omission of a portion of the work in Natural History and Philosophy and the omission of a third language in the Senior year and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty. In addition to the above a course in Elementary Mechanical Drawing is introduced in place of some of the free-hand drawing in the three lower classes.

In the Classical and Scientific Courses workshop practice is permitted in the afternoons, as far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

In addition to the lectures and recitations indicated in the following schedule there are exercises in oratory and declamation every morning by students of the Senior, Junior and Sophomore classes.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.			Hours per week.
English.....	{ <i>Hill's Foundations of Rhetoric, Selections</i> from <i>Irving's Sketch Book</i> , }		3
Latin.....	<i>Allen and Greenough's Grammar, Leighton's Lessons,</i>		5
Algebra	<i>Wentworth</i>		5
Anatomy.....	<i>Lectures,</i>		2
Free-hand Drawing from Flat and Round.....			3
Elements of Physics.....	<i>Lectures and Cooley,</i>		2

FIRST YEAR—SECOND TERM.			
English	{ <i>Hill's Foundations of Rhetoric, Longfellow's</i> <i>Evangeline,</i> }		3
Latin.....	<i>as in first term,</i>		5
Algebra.....	<i>Wentworth,</i>		2
Geometry.....	<i>Davies' Legendre,</i>		3
Botany.....	<i>Bergen,</i>		2
Free-hand Drawing from Flat and Round.....			3
Elements of Physics.....	<i>as in first term,</i>		2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.			
English	{ <i>Nichol's English Composition, Cathcart's Literary</i> <i>Reader, Lang's Blue Poetry Book,</i> }		2
Latin.....	{ <i>Herbermann's Sallust, Allen and Greenough's</i> <i>Grammar, Prose Composition,</i> }		3
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i>		3
History.....	<i>Myers' General History,</i>		3
Algebra.....	<i>Loomis,</i>		2
Geometry.....	<i>Davies' Legendre,</i>		3
Descriptive Geometry	<i>Woolf,</i>		2
Zoölogy.....	<i>Lectures and Orton,</i>		2
Compositions.			

SECOND YEAR—SECOND TERM.			
English	{ <i>Nichol's English Composition, Cathcart's Literary</i> <i>Reader, Scott's Lady of the Lake,</i> }		2
Latin.....	<i>Cicero's Orations, Grammar and Prose Composition,</i>		3
Greek.....	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i>		3
History.....	<i>Myers' Modern History,</i>		3
Geometry.....	<i>Davies' Legendre,</i>		2
Plane Trigonometry and Mensuration. {	<i>Wheeler, Compton's Man-</i>		
	<i>ual, Loomis' Logarithms.</i> }		3
Zoölogy.....	<i>as in first term,</i>		2
Shades and Shadows and Perspective.....			2
Compositions.			

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English..... { <i>Shaw's English Literature, Shakespeare's Julius Cæsar, Genung's Rhetoric and Handbook of Literary Analysis,</i> }	4
Logic.....	1
Latin..... <i>Frieze's Virgil's Æneid, Grammar, Prose Composition,</i>	2
Greek..... { <i>Goodwin's Grammar and Anabasis, Arnold's Prose Composition,</i> }	3
History..... <i>Thompson's History of England,</i>	2
Chemistry..... <i>Clowes' Practical and Analytical Chemistry,</i>	2
Spherical Trigonometry, Surveying and Navigation { <i>Wheeler and Docharty,</i> }	3
Free-hand Drawing—Course of Ornament.....	3
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English... { <i>Shaw's English Literature, Genung's Rhetoric, and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i> }	4
Logic.....	1
Latin..... <i>Lincoln's Livy, Grammar, Prose Composition,</i>	2
Greek.. { <i>Goodwin's Grammar, Arnold's Prose Composition, Winan's Xenophon's Memorabilia and Plato's Crito,</i> }	3
History.....	2
Chemistry.....	2
Analytical Geometry.....	3
Drawing—Study of the Human Form.....	3
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English, Poetry..... { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Ward's English Poets,</i> }	2
Latin... { <i>C. L. Smith's Horace, Tyler's Tacitus, Agricola and Germania, Grammar, Prose Composition,</i> }	4
Greek..... { <i>Goodwin's Greek Grammar, Arnold's Prose Composition, Demosthenes' Orations,</i> }	3
{ <i>Political Science*..... Woolsey's International Law,</i> }	
or { <i>Psychology..... Dewey,</i> }	2
Mechanics and Acoustics..... <i>Lectures and Bartlett,</i>	4
Chemical Physics..... <i>Pyncheon,</i>	2
History..... { <i>Lectures and Hart's Formation of the Union, Cooley's Constitutional Law,</i> }	2
Anthropology, Zoölogy..... <i>Lectures, and Tenny and Orton,</i>	1
Original Declamations.	

*In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

FOURTH YEAR—SECOND TERM.

Hours
per week.

English, Prose..	{ <i>Arnold's Manual of English Literature, Swin-</i> <i>ton's Studies in English Literature, Macau-</i> <i>lay's and Carlyle's Essays on Johnson,</i> }	2
Latin.....	{ <i>Cicero's Letters, Horace's Satires and</i> <i>Epistles, Prose Compositions,</i> }	4
Greek.....	{ <i>Grammar and Prose Composition, Selections from</i> <i>Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy.....	<i>Lectures and Bartlett, Newcomb,</i>	4
Political Economy.....	{ <i>White's Money and Banking, and</i> <i>Andrews' Political Economy,</i> }	2
{ Psychology.....	<i>McLellan,</i> }	2
{ or Chemical Physics	<i>as in first term,</i> }	
History.....	<i>as in first term,</i>	2
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German.....	<i>Sheldon's Grammar, Whitney's Reader,</i>	
{ or {	<i>Complete French Course, based on Chardenal, Free-</i>	
{ French {	<i>born, Morceaux Choisis d' Alph. Daudet,</i>	4
{ or {	<i>Ollendorff's Grammar, Morales' Reader, Butler's</i>	
{ Spanish {	<i>Phrases, Iriarte's Fables, Roemer's Spanish Polyglot,</i>	
	<i>and English Polyglot.</i>	
Latin.....	{ <i>Crutwell's Roman Literature, Grammar,</i> }	3
	<i>Harrington's Plautus,</i> }	
Greek {	<i>A play of Æschylus or Sophocles or Euripides, Selections</i>	
	<i>from Herodotus and Thucydides, Jevons' Greek Litera-</i>	3
	<i>ture, Grammar, Arnold's Prose Compositions.</i>	
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry</i>	3
{ Psychology.....	<i>Lectures and Dewey,</i>	4
{ English.....	<i>Shakespeare's Hamlet,</i>	1
{ or		
{ Pedagogics.....	<i>Fitch, Garlick, Browning and Lectures,</i>	5
Geology, Mineralogy, and Palæontology.....	<i>Lectures and Dana,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German, or Spanish.....	<i>as in first term,</i> }	4
{ or French.....	<i>Demogeot, Textes Classiques, Vols. I, II.</i> }	
Latin.....	<i>Cicero's de Natura Deorum, Maclean's Juvenal,</i>	3
Greek.....	{ <i>A play of Aristophanes, Lectures on the</i> <i>Language and Literature, Jevons,</i> }	3
{ History of Philosophy, Ethics. Lectures, and Mayer, Weber, Janet,		4
{ English.....	<i>as in first term,</i>	1
{ or		
{ Pedagogics.....	<i>Fitch, Garlick, Browning and Lectures,</i>	5
Chemistry.....	<i>as in first term,</i>	3
Geology, Mineralogy, Palæontology.....	<i>as in first term,</i>	1
Æsthetics and the History of Art.....	<i>as in first term,</i>	1
Original Declamations.		

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.		Hours per week.
English	{ <i>Hill's Foundations of Rhetoric, Selections</i> }	3
	from <i>Irving's Sketch Book</i> ,	
French.....	<i>Complete French Course, based on Chardenal,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Anatomy	<i>Lectures,</i>	2
Free-hand Drawing from Flat and Round.....		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2

FIRST YEAR—SECOND TERM.

English	{ <i>Hill's Foundations of Rhetoric, Long-</i> }	3
	<i>fellow's Evangeline,</i>	
French.....	<i>Freeborn, Morceaux Choisis d'Alph. Daudet,</i>	5
Algebra.....	<i>Wentworth,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Botany.....	<i>Bergen,</i>	2
Free-hand Drawing from Flat and Round.....		3
Elements of Physics.....	<i>as in first term,</i>	2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
	<i>Reader, Lang's Blue Poetry Book,</i>	
French.....	<i>Demogeot, Textes Classiques, Vol. II,</i>	3
{ German.....	<i>Eysenbach's Grammar,</i>	
{ or	{ <i>Ollendorff, Morales' Reader, Butler's Phrases,</i>	2
{ Spanish.....	<i>Iriarte's Fables,</i>	
History.....	<i>Myers' General History,</i>	3
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Zoölogy.....	<i>Lectures and Orton,</i>	2
Descriptive Geometry.....	<i>Woolf</i>	3
Compositions.		

SECOND YEAR—SECOND TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
	<i>Reader, Scott's Lady of the Lake,</i>	
French.....	<i>as in first term,</i>	3
{ German		
{ or	{ <i>as in first term,</i>	2
{ Spanish.....		
History.....	<i>Myers' Modern History,</i>	3
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration {	<i>Wheeler, Loomis' Loga-</i>	
	<i>rithms, Compton's Manual,</i>	3
Shades, Shadows and Perspective.....		3
Zoölogy	<i>as in first term,</i>	2
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

Hours
per week.

English.	{ <i>Shaw's English Literature, Shakespeare's Julius Cæsar,</i>	4
	{ <i>Genung's Rhetoric, and Handbook of Literary Analysis,</i>	
Logic	.....	1
French	.....	2
	{ German.....	3
	{ or	
	{ Spanish..	2
History	.....
Spherical Trigonometry, Surveying and Navigation	{ <i>Wheeler and</i>	3
	{ <i>Docharty,</i>	
Free-hand Drawing—Course of Ornament	.....	3
Chemistry	.....	2
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English..	{ <i>Shaw's English Literature, Genung's Rhetoric, and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i>	4
Logic.....	as in first term,	1
French.....	as in first term,	2
{ German.....	} as in first term,	3
or Spanish		
History.....	as in first term,	2
Analytical Geometry.....	Peck,	3
Drawing—Study of the Human Form.....		3
Chemistry	as in first term,	2
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Poetry.....	{ <i>Arnold's Manual of English Literature,</i> <i>Swinton's Studies in English Literature,</i> <i>Ward's English Poets,</i>	2
{ German.....	<i>Pütz's Reader, Eysenbach's Grammar,</i>	{
or		
{ Spanish.....	{ <i>Moratin, Don Quixote, Roemer's Polyglot</i> <i>Reader, Morales' Reader,</i>	5
{ Political Science.....	<i>Woolsey's International Law,</i>	{
or		
{ Psychology.....	<i>Dewey,</i>	2
Differential and Integral Calculus.....	<i>Peck,</i>	3
Chemical Physics.....	<i>Fiske, Pynchon,</i>	2
History.....	{ <i>Lectures and Hart's Formation of the Union,</i> <i>Cooley's Constitutional Law,</i>	2
Acoustics and Optics and Heat.....	<i>Lectures and Bartlett,</i>	3
Anthropology, Zoölogy.....	<i>Lectures and Tenney, and Orton,</i>	1
Original Declamations.		

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Prose.	{ <i>Arnold's Manual of English Literature, Swin-</i> <i>ton's Studies of English Literature, Macau-</i> <i>lay's and Carlyle's Essays on Johnson,</i>	2
{ German.....	} <i>as in first term,</i>	5
or		
{ Spanish		
Political Economy.....	{ <i>White's Money and Banking, and</i> <i>Andrews' Political Economy,</i>	2
Differential and Integral Calculus.....	<i>as in first term,</i>	3
{ Psychology.....	} <i>McLellan,</i>	2
or		
{ Chemical Physics.....		
History.....	<i>as in first term.</i>	2
Acoustics and Optics and Heat.....	<i>as in first term,</i>	3
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		.

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German.....	} <i>Sheldon's Grammar, Whitney's Reader,</i>	5
or		
{ Latin.....	} <i>Grammar, Leighton's Lessons, Harkness' Cæsar,</i>	5
or		
{ Spanish....		
	<i>Ollendorff's Grammar, Butler's Phrases, Iriarte's</i> <i>Fables, Roemer's Polyglot Reader,</i>	
{ Psychology.....	} <i>Lectures and Dewey,</i>	4
English.....		1
or		
{ Pedagogics.....	} <i>Fitch, Garlick, Browning and Lectures,</i>	5
Chemistry.....		3
Mechanics and Astronomy.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Bartlett and Newcomb,</i>	1
Æsthetics and the History of Art.....	<i>Lectures and Dana,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German.....	} <i>as in first term,</i>	5
or		
{ Latin	} <i>Grammar, Leighton's Lessons, Chace's</i>	5
or		
{ Spanish.....		
	<i>Cicero, Frieze's Virgil's Æneid,</i>	
{ History of Philosophy, Ethics, {	} <i>Lectures, and Meyer, Weber,</i>	4
English.....		
or	<i>Janet,</i>	1
{ Pedagogics	} <i>as in first term,</i>	5
Chemistry.....		
Mechanics and Astronomy.....	<i>as in first term,</i>	3
Geology, Palæontology and Mineralogy.....	<i>as in first term,</i>	5
Æsthetics and the History of Art.....	<i>as in first term,</i>	1
Original Declamations.		1

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.		Hours per week.
English	{ <i>Hill's Foundations of Rhetoric, Selections</i> <i>from Irving's Sketch Book.</i> }	3
French	<i>Complete French Course, based on Chardenal,</i>	5
Algebra	<i>Wentworth,</i>	5
Free-hand and Mechanical Drawing		3
Elements of Physics	<i>Lectures and Cooley,</i>	2
Workshop and Mechanical Theory	{ <i>Compton's First Lessons</i> <i>in Woodworking,</i> }	5

FIRST YEAR—SECOND TERM.

English	{ <i>Hill's Foundations of Rhetoric,</i>	{	3
	<i>Longfellow's Evangeline,</i>	}	
French.....	{ <i>as in first term, and Freeborn, Morceaux</i>	{	5
	<i>Choisis d'Alph. Daudet,</i>	}	
Algebra	<i>Wentworth,</i>		2
Geometry	<i>Davies' Legendre,</i>		3
Free-hand and Mechanical Drawing.....			3
Elements of Physics.....	<i>as in first term,</i>		2
Workshop and Mechanical Theory.....	<i>as in first term,</i>		5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
	<i>Reader, Lang's Blue Poetry Book,</i> }	
German	<i>Eysenbach's Grammar,</i>	4
French	<i>Demogeot, Textes Classiques, Vol. II,</i>	3
History	<i>Myers' General History,</i>	2
Algebra	<i>Loomis,</i>	2
Geometry	<i>Davies' Legendre,</i>	2
Descriptive Geometry and Mechanical Drawing	<i>Woolf,</i>	2
Workshop and Theory ..	<i>Compton's First Lessons in Metal Working,</i>	5
Compositions.		

SECOND YEAR—SECOND TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary Reader, Scott's Lady of the Lake,</i> }	2
German	as in first term,	4
French	as in first term,	3
History	<i>Myers' Modern History,</i>	2
Geometry	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration. {	<i>Wheeler, Loomis' Logarithms, Compton's Manual,</i> }	3
Shades, Shadows and Perspective, and Mechanical Drawing		2
Workshop and Theory	as in first term,	5
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English { <i>Shaw's English Literature, Shakespeare's Julius Cæsar, Genung's Rhetoric and Handbook of Literary Analysis,</i> }	4
French <i>Demogeot, Textes Classiques, Vol. II,</i>	2
German <i>Hauff's Karavane, Eysenbach's Grammar,</i>	3
History <i>Thompson's History of England,</i>	2
Spherical Trigonometry, Surveying and Navigation . . . { <i>Wheeler, Docharty,</i> }	3
Drawing (Mechanical)	3
Chemistry <i>Clowes,</i>	2
Workshop and Theory	4
Compositions.	

THIRD YEAR—SECOND TERM.

English { <i>Shaw's English Literature, Genung's Rhetoric and Handbook of Literary Analysis, Webster's Bunker Hill Orations,</i> }	4
French <i>as in first term,</i>	2
German <i>as in first term,</i>	3
History <i>as in first term,</i>	2
Analytical Geometry <i>Peck,</i>	3
Drawing (Mechanical)	3
Chemistry <i>as in first term.</i>	2
Workshop and Theory	4
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Poetry . . . { <i>Arnold's Manual of English Literature, Swinton's Studies in English Literature, Ward's English Poets,</i> }	2
German <i>Pütz's Reader, Eysenbach's Grammar,</i>	3
Political Science <i>Woolsey's International Law,</i>	2
Differential and Integral Calculus <i>Peck,</i>	3
Chemical Physics <i>Fiske, Pyncheon,</i>	2
History { <i>Lectures and Hart's Formation of the Union, Cooley's Constitutional Law,</i> }	2
Drawing	2
Acoustics and Optics and Heat <i>Lectures and Bartlett,</i>	3
Anthropology, Zoölogy <i>Lectures and Tenney,</i>	1
Workshop and Theory	3
Original Declamations.	

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Prose..	{ <i>Arnold's Manual of English Literature, Swin-</i> <i>ton's Studies in English Literature, Macau-</i> <i>lay's and Carlyle's Essays on Johnson,</i>	2
German.....	as in first term,	3
Political Economy.....	{ <i>White's Money and Banking and</i> <i>Andrews' Political Economy.</i>	2
Differential and Integral Calculus.....	as in first term,	3
Chemical Physics.....	as in first term,	2
History	as in first term,	2
Acoustics and Optics and Heat	as in first term,	3
Anthropology, Zoölogy	as in first term,	1
Workshop and Theory		3
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers	4
Psychology.....	<i>Lectures and Janes' Human Psychology,</i> 4
Chemistry.....	<i>Bloxam, Clowes,</i> 3
Mechanics and Astronomy.....	<i>Bartlett and Newcomb,</i> 5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Dana,</i> 1
Æsthetics and the History of Art.....	<i>Lectures,</i> 1
English.....	<i>Shakespeare's Hamlet,</i> 1
Workshop, Drawing and Theory.....	4
Original Declamations.	

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers.....	4
History of Philosophy, Ethics. .	<i>Lectures and Mayer, Weber, Janet,</i> 4
Chemistry	as in first term, 3
Mechanics and Astronomy.....	as in first term, 5
Geology and Palæontology, Mineralogy	as in first term, 1
Æsthetics and the History of Art.....	as in first term, 1
English.....	1
Workshop, Drawing and Theory.....	4
Original Declamations.	

SCHEDULE

EXHIBITING THE SUBJECTS OF STUDY, TOGETHER WITH THE NUMBER OF WEEKLY RECITATIONS PER CLASS
AND TERM IN EACH SUBJECT.

	SUB-FRESH- MAN CLASS.		FRESHMAN CLASS.		SOPHOMORE CLASS.		JUNIOR CLASS.		SENIOR CLASS.	
	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.
LANGUAGES . . .	English.....	3	3	2	2	2	2	2	1	1
	{ Latin.....	5	5	3	3	2	4	4	3	3
	{ Greek.....			3	3	3	3	3	3	3
	{ German, or French, or Spanish. or								4	4
	{ French.....	5	5	3	3	2	2	2	5	5
HISTORY.....	{ German or Spanish*.....			2	2	3	3	5	5	5
	{ Spanish, German or Latin									
	Rhetoric.....					2	2			
	General History.....			3	3					
	English History.....					2	2	2		
PHILOSOPHY ..	United States History.....									
	Logic.....					I	I			
	Moral Philosophy									
	Psychology.....								4	
	History of Philosophy.....									3
	Political Economy.....									
	Political Science							2		
	Pedagogics								5	5

PURE MATHEMATICS.	Algebra.....	5	2	2	.....	.....	.....	.....	.....	.....	.....	.....
	Geometry.....	.....	3	3	2	.....	.....	.....	.....	.....	.....	.....
	Trigonometry, etc.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
	Analytical Geometry, etc.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....
MIXED MATHEMATICS.	Differential and Integral Calculus.....	.....	.....	.....	.....	.....	.....	.....	3	3 or 4	3 or 4	.....
	Acoustics and Optics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Spherical Astronomy and Analytical Mechanics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0 or 5
	Descriptive Geometry.....	.....	.....	2 or 3	.....	.....	.....	.....	.....	.....	.....	.....
DRAWING.....	Free-hand Drawing from Flat and Round.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Perspective, Shades and Shadows.....	.....	.....	.....	.....	2 or 3	.....	.....	.....	.....	.....	.....
	Free-hand Drawing; Course of Ornament.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Study of the Human Form.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
PHYSICS AND CHEMISTRY.	Æsthetics and History of Art.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mechanical Drawing.....	3	3	2	2	.....	.....	.....	.....	.....	.....	.....
	Lectures on Physics.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Inorganic Chemistry, Practical and Analytical.....	.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....
NATURAL SCIENCE.	Chemical Physics.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Organic, Practical and Applied Chemistry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Anatomy†.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Botany†.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Zoology†.....	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....
	Anthropology and Zoology.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Geology.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* The order in which these languages are studied is optional with the student.

† Omitted from Mechanical Course.

Departments of Study.

The following statements are intended to explain the course of study in the several departments and the methods pursued:

ENGLISH LANGUAGE AND LITERATURE.

The course in English Language and Literature aims, in the first place, to stimulate and develop the students' power of expression and to enable them to say what they have to say clearly and correctly; secondly, to guide them in the study of the history of English and American literature, not only as a chronological outline of authors and their works, but also as a critical estimate of their writings; and lastly, through the critical reading of some of the masterpieces of our language, to give the students a knowledge of literature itself and also the ability to appreciate it.

That students should be able to express their thoughts in writing, so that they will be clearly understood by others, is of the utmost importance. It is not too much to say that the power of exact expression comes only by systematic practice and training in the art of composition. To secure this power three things are necessary: frequent practice in composition, helpful criticism by the instructor, and, finally, intelligent remodeling of the work by the writers themselves. Every student, therefore, is required to write an essay on some prescribed literary subject, at least once in each term; each essay is read in class, where its precision of language and rhetorical construction are criticised by the class and the instructor; the

corrections are noted by the student and afterwards the essay is rewritten in whole or in part, as may be necessary. In addition, essays on subjects that have been studied are written once a month by all the students. These compositions test the students' comprehension of the work done in class; moreover, the subject matter of these essays having been previously discussed, they afford the students excellent training in the art of composition, without drawing too largely or severely on their creative powers.

To aid the students in the work of composition, Hill's *Foundations of Rhetoric* is studied in the Sub-Freshman year; Nichol's *English Composition*, in the Freshman year; and Genung's *Rhetoric* and *Handbook of Rhetorical Analysis*, in the Sophomore year.

A more important means of assuring a true appreciation of literary form is the critical reading of the works of our best English and American authors. The knowledge of rhetorical rules can be made profitable only through the study of the masterpieces of our language. No one can write well in any language until he is thoroughly familiar with its literature as well as with its grammar. In the careful reading of the English and American classics will be found one of the best means of acquiring an accurate and practical knowledge of the English language. By the critical study of our great models students cannot fail to enlarge their vocabulary, to cultivate a nice sense of the meaning and force of words, to form a critical judgment, to refine their taste, and to obtain an insight into the development and growth of the English language and literature, that can be obtained in no other way. In order that the students may keep permanently before them models of literary form, prose and poetical extracts from the best authors are memorized in the four lower classes.

The course in English Literature is not, however, a study in literary analysis alone. Through sympathetic and intelligent reading and discussion of single works of our masters of prose

and poetry, the course aims to foster in the students a love for reading, and to create in them a taste for the purest and highest in literature.

In the Sub-Freshman Class, Longfellow's *Evangeline* and selections from Irving's *Sketch Book* are critically read and studied; in the Freshman year, Lang's *Blue Poetry Book* and Scott's *Lady of the Lake*; in the Sophomore year, Shakespeare's *Julius Cæsar* and Webster's *Bunker Hill Orations*; in the Junior year, Macaulay's and Carlyle's *Essays on Johnson*.

The history of English and American literature is begun in the Freshman and completed in the Sophomore year. Shakespeare is the first author taken up. From Shakespeare, the students pass to the consideration of the writers of the nineteenth century. When this period has been discussed, the literature of the preceding centuries is studied. In connection the biographical and historical facts of the history of English and American literature, illustrative extracts from the works of the writers examined are read by the students; in almost every instance these illustrative selections are complete pieces. In this way the students may see for themselves the character and style of the different writers; they thus become more interested in their work and are encouraged to study more thoroughly the great masterpieces of English literature.

To attain these ends, Cathcart's *Literary Reader* is used in the Freshman year; Shaw's *Manual of English and American Literature* and Genung's *Handbook*, in the Sophomore year; Arnold's *Manual of English Literature*, Swinton's *Studies in English Literature*, and Ward's *English Poets*, in the Junior year.

Recognizing that the "reading of great books is a faculty to be acquired, not a natural gift," and that the object of reading is not to read everything that even the great writers have written, home courses in reading, both in prose and poetry, are outlined for the students; and in order that the books recommended may be understood and appreciated when read,

special attention is called in advance to the plan and characteristic features of each work included in the course.

Original themes are required from the Juniors and Seniors during both terms. Each theme is criticised and corrected by the Professor, in the presence of the student, and, when re-written, is declaimed from the Chapel stage.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years' course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students in this College are enabled to cover so much ground in five years is due to several causes. In the first place, they begin the study at a more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the highest classes, where in many colleges it disappears wholly from the plan of studies.

Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence, two years are devoted wholly to the study of the prose writers, on which the syntax of our grammars is based (*Cæsar*, *Cicero*, *Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's* writings are read in the Junior and Senior years. To make the study of Latin a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on.

While grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence, the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography and the general rules of syntax, complete a course of fifty-five lessons in White's *Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year, etymology and the general rules of syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About

two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect ; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticisms of the styles and short lectures on the historical episodes discussed. Also, there are read portions of a tragedy and one or two comedies. Lectures are given on the drama and theater, and on the Greek language and literature, and students are informed, from time to time, of the results of archæological research in Greece and countries under ancient Greek influences.

FRENCH LANGUAGE AND LITERATURE.

The *Complete French Course*, based on Chardenal, is the first book for the Sub-Freshman year. One lesson a day is studied during the first term, and the exercises attached to it are written at home. During the second term, two lessons of the same book are studied every other day, and selections from the exercises are written. A dictation in French and exercises of selected English sentences are given weekly in the class-room during the second term. The study of Chardenal is completed in the second term.

A systematic study of the conjugations is taken up early and continued until completed.

Freeborn's *Morceaux Choisis d'Alph. Daudet* are read in the text and translated into English every other day during the second term.

The teaching is, as far as practicable, carried on in French.

In the Freshman year, the work consists of oral translation from the French, based upon logical and grammatical analysis. The text-book is Demogeot, *Textes Classiques*, vol. II. A dictation in French is given weekly in the class-room during the second term.

In the Sophomore year, the time is devoted to translations into English ; a lecture in French, by the instructor, on the

piece translated, and notes in French written at home and rendered to the instructor on the following recitation day.

Every fourth day the students give in French oral *résumés* of the last three lessons.

The text-book is Demogeot, *Textes Classiques*, vol. 1.

Extracts from Mme. de Sévigné, Fénelon, Bossuet, La Fontaine, Molière, Corneille, and Racine are read critically.

For students of the Classical Course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The text-books used in this department are the *Complete French Course*, based on Chardenal, and Freeborn's *Morceaux Choisis d'Alph. Daudet*; Demogeot, *Textes Classiques*, vols. I and II.

GERMAN LANGUAGE AND LITERATURE.

The time allotted to German in each of the three courses, the distribution of it and the text-books are given on preceding pages. The objects sought to be attained are the acquisition of a reasonably large vocabulary and the ordinary phraseology; ability to read easier German without the dictionary and more difficult German with the dictionary; acquaintance with the writers, especially with the poets, whom Germans rank highest, and with a number of poems Germans know and are fond of; ability to write and speak German properly, within limits. The history of the language is not undertaken, but attention is called to interesting etymologies and grammatical facts, and anomalies are explained as far as possible.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is entirely optional.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selec-

tions from Butler's *Phrase Book*, and the reading of selections in prose and verse from Iriarte and Morales' *Reader*.

In the Sophomore year Quintana's *Lives* are read, exercises in dictation are added, and Sales' *Grammar* and Pizaro's *Phrases* are used.

The Juniors review the grammar by the study of Sales' work; they translate Moratin's comedy, *El sí de las Ninas*, and selections from *Don Quixote*; make oral and written translations of English selections of various styles; write Spanish compositions, and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course; which is, however, in a degree compensated for by the greater maturity and better preparation of the class.

HISTORY.

The History Course extends through the Freshman, Sophomore and Junior years in all the College courses. The Freshman Class study Myers' *General and Modern History*, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore Class, by the thorough study of English History. Thompson's *History* is taken as a guide, but the instructors add largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year the study of American History is taken up, the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to constitutional and institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old;

the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; history of American politics, etc. American constitutional history is fully treated and followed in natural order with the study of American constitutional law, including comparisons with the constitutions of other nations. Students are called upon to discuss the subjects in the class-room, where they become familiar with the standard, and, as far as possible, original authorities on, American history. They also write one or more essays during the year. Hart's *Formation of the Union* and Cooley's *Constitutional Law* are the text-books supplementing lectures.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum, the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologically and geographically, the history of coinage from 700 B. C. to the Christian Era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the Class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied as a preparatory discipline. The first term of the Junior year is devoted to the study of international law; during the second term economic science is taken up, and special attention is given to questions of international trade, money and banking.

In the Senior year Psychology is studied during the first term. The treatment is descriptive, physiological and experimental. The subjects of the second term are History of Philosophy and Ethics. Philosophical doctrines and systems of historic importance are examined, their evolution is traced and their implications are

developed. Select topics in practical ethics are discussed, Janet's *Manual* being used as a basis.

A three years' course in pedagogy is offered to students intending to teach. This course begins in the Sophomore year with the study of Logic; the Junior year is devoted to Psychology, and the Senior year work is in the History of Education and the Principles and Practice of Education.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study Wentworth's *Algebra* from the beginning through Equations of the Second Degree, and Davies' *Legendre* through the third book, with additional problems and theorems from the appendix and elsewhere.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using Wheeler's *Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from Loomis' *Treatise*; and are practiced in logarithmic computation, using Compton's *Manual*.

In the first term the Sophomore Class go through Wheeler's *Spherical Trigonometry*, and are taught *Surveying and Navigation* orally, and in the second term study Peck's *Analytical Geometry*, embracing the Geometry of Three Dimensions as far as surfaces of Revolution.

The Junior Class study Differential and Integral Calculus. Peck's *Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

APPLIED MATHEMATICS.

In the Scientific Course the studies of Pure and Applied Mathematics afford the student such intellectual training and such knowledge of Mathematics, Mathematical Physics, Mechan-

ics and Astronomy as to lessen materially the time that will be required for the study of a specialty in any of the schools of civil, mechanical or mining engineering. A graduate of good standing in the Scientific or the Mechanical Course will be able to master in two years, or less, the studies usually pursued in such schools.

In the Scientific and Mechanical Courses, in the Junior year, while the student is acquiring, in the department of Pure Mathematics, the knowledge of the Calculus necessary for the study of Analytical Mechanics, he attends recitations and lectures on Acoustics and Optics, only such elementary mechanical principles being taught as are necessary to the understanding of those subjects. Near the end of the Junior year the study of Bartlett's *Analytical Mechanics* is commenced, and it is continued during the first term of the Senior year. Much additional matter is given in the way of illustrations and problems applying the principles taught to practical ends. In the second term of the Senior year the subject taught is Spherical Astronomy. The endeavor is made to show how the science has grown up, how its discoveries have been made, how it explains the phenomena of the heavens; to teach the general principles of the adjustment and use of instruments, and the methods of making and recording observations, and the application of astronomy to the uses of the surveyor and the navigator.

In the Mechanical Course further application is made of the principles of mechanics to the study of the forms and functions of the parts of engines, the theory of prime movers, and the construction, testing and management of engines.

The scope of the instruction in the Classical Course is less extended. All that is sought is to give a general idea of the principles of Mechanics, Acoustics, Optics and Astronomy, with very little Mathematical Analysis. Of the four hours per week allotted in the Junior year to this department, generally about three are given to lectures and one to recitations.

CHEMISTRY AND PHYSICS.

The instruction in Chemistry is divided into an elementary and advanced grade.

The first is open to the students of the Sophomore Class. Two hours a week are spent in the Laboratory. Clowes' *Practical Chemistry* is the text-book followed, and the students are provided with all the necessary apparatus to perform the experiments described. Manipulation of the gases is succeeded by a course in qualitative analysis. Newth's *Inorganic Chemistry* has been adopted for home study and recitations.

The advanced grade is for the students of the Senior Class. Three hours a week are given to the study ; one lecture on General Chemistry, and two hours in the Laboratory. Bloxam's is used as a text-book of Chemistry, while Clowes' *Practical Chemistry* serves to complete the study of qualitative analysis. The laboratory instruction for the Senior Class follows a prepared synopsis. Through the study of Chemical Physics, described below, the students of the advanced Chemical Course are enabled to make use of apparatus essential to the thorough study of General Chemistry. In addition to the problems in qualitative analysis and chemical physics, the advanced grade provides for instruction in the outlines of Applied Chemistry, and of volumetric and quantitative analysis.

The equipment of the Chemical Laboratory is very complete; its arrangement, as well as that of the desks, offers many facilities. The Lecture-room, which adjoins the Laboratory, is provided with the necessary conveniences for lecture illustration. There is a collection of the ores and other natural specimens sufficient to illustrate the chief forms in which the elements occur. There are also several hundred specimens of Chemicals, inorganic and organic, many of which have been donated by friends and former students. The College owns a set of charts, made by draughtsmen especially employed.

The subjects of Heat, Light and Electricity, and such other parts of Physics as have a direct bearing on Chemistry, are taught in this department.

Two lectures are given each week on general experimental physics to the students of the Sub-Freshman Class. These lectures are fully illustrated by experiments and charts. The students are required to take notes during the lectures, copy charts, and information or drawings from blackboards, and make drawings of apparatus. These rough notes must be rewritten carefully, brought to the College for inspection, and twice a year are marked according to their correctness and fullness. Simple outline drawings are an essential part of the work.

A written examination is given in June. Cooley's *Physics* is supplied as a text-book for home study.

The students of the Junior Class listen to one lecture a week, and have one hour in the Laboratory devoted to study of themes bearing either upon the generation of the forces of nature or of those closely allied to the thorough comprehension of Chemical Physics.

The Cabinet of Physical Apparatus is provided with 2,300 instruments. Many of these instruments have been made from designs prepared by the department, and carried out by the College mechanician. Others were purchased from the best makers here and abroad, and the collection is thus kept abreast of the times. A special Laboratory for the manipulation of the apparatus adjoins the one used for Chemistry. Besides this, there is a Balance-room which contains some fine instruments. A Dark-room serves for demonstration in the use of the Spectroscope and Polariscope and in Photography. There is also a Photo-metric room. The Photometer is arranged for the comparison of two gases, as well as for the determination of the candle-power of one.

The College dynamo machines, four in number, supply the electric currents necessary for experimentation and lantern projection.

Pynchon's *Chemical Physics* and Fiske's *Electrical Engineering* are used as the text-books for the advanced grade. Notes must be taken of the lectures, and also of the experiments performed in the Laboratory, and reports from these submitted.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows:

SUB-FRESHMAN—	{ Anatomy. } { Botany. }	Two hours per week	{ Lectures. Text-book (<i>Bergen</i>).
FRESHMAN—Zoölogy.		Two hours per week	{ Text-book (<i>Orton</i>) and Lectures.
JUNIOR—Anthropology.		One hour per week..	Lectures and <i>Orton</i> .
SENIOR—	{ Mineralogy. Palæontology. Geology. }	One hour per week..	{ Text-book (<i>Dana</i>) and Lectures.

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself* the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

Chief among the gifts was that of Mr. Wm. F. Decker, '85, who gave to the College a valuable collection of Natural History specimens, made by his father, John J. Decker. The gift included a number of handsome cases.

MUSEUM OF NATURAL HISTORY.

The collections contain 10,200 specimens; 550 plants, 750 vertebrates, 3,000 invertebrates, 3,500 minerals, and 2,400 minerals, rocks and fossils. The card catalogue of the specimens is progressing.

A large number of specimens were added to the collections during the past year, and many objects for instruction in the several courses.

1. Birds' Eggs, Collection of.....	Bashford Dean, A. M., Ph. D.
2. Birds of State of New York } (100 Spec.).....	Louis A. Zerega, A. B., M. D.
3. Brush-making Materials.....	F. W. Devoe & Co.
4. Butterflies and Moths (500 Spec.)	H. J. Muller.
5. Conchological Specimens	Smithsonian Institution.
6. " "	Townsend Harris. President Alex. S. Webb. Prof. R. Ogden Doremus.
7. Corals of Florida, Collection of..	Lt.-Col. Walter McFarland, U.
8. Craniological Specimens.....	Smithsonian Institution.
9. Entomological Collection.....	Bashford Dean, A. M., Ph. D.
10. Fishes (500 Spec.), largely } South American	Commissioner E. G. Blackford.
11. Fossils and Reptiles.....	Prof. Solomon Woolf.
12. Fossils and Minerals of "Bad Lands"	Prof. William Stratford.
13. Fossils of South Carolina, Col- lection of	William T. Rodenbach.
14. General Natural History Col- lection.....	William F. Decker, B. S.
15. Grain, Specimens of	New York Produce Exchange. President Alex. S. Webb. Nathaniel Jarvis, Jr. H. R. Remsen.
16. Ichthyosauris Communis.....	Edward Cooper. Jackson Steward. William Wood. David Dudley Field.
17. Leathers, Fancy.....	Tiffany & Co.
18. Linen, Silks, Furs, Cottons.....	E. J. Denning & Co.
19. Miscellaneous Textile Fabrics ..	Claflin & Co.
20. Set of Whaling Harpoons (11 } Spec.)	Bashford Dean, A. M., Ph. D.
21. S. American Woods (60 Spec.)..	T. D. & L. Hirsh.
22. Unios of the United States.....	Dr. Isaac Lea, Philadelphia.
23. Vegetable Fibers	J. H. Hollis, Cotton Exchange.
24. Wading Birds (25 Spec.)..... } Game Fishes of Florida.....	W. H. Chesebrough.
25. Woods, Foreign and Fancy.....	J. L. Daniels & Co.
26. Woolen Fabrics.....	Arnold, Constable & Co.
27. Wools	Mangers & Avery.
28. Minerals, Collection of.....	Joseph & Fred. Wiener.
29. Rare Australian Fishes	Mrs. H. F. Chipman.

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in Drawing in outline from the flat and the round, in surface shading and in elementary perspective. The students draw geometrical forms, architectural and other ornaments of various styles, and the human head from the flat and the round, and are taught some of the principles of design in ornament.

The Freshman Class is instructed in Descriptive Geometry, the Professor's *Elements of Descriptive Geometry* being used as a book of reference. The instructor lectures and demonstrates at the blackboard; and the students solve every problem graphically in their drawing-books. The subject is carried through Sections and Intersections, Tangency and Development, and practical applications are made. Practice in the elements of tinting is also afforded from time to time. In the second term the subjects pursued are Shades and Shadows and Perspective. Shadows are determined in artificial and natural light; the general principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade in charcoal, crayon, etc.

The Professor delivers to the Senior Class a series of lectures on *Æsthetics* and the History of Art and the several arts.

In the Mechanical Course the work of the other courses is modified by the introduction of Elementary Mechanical Drawing. Students are required to take notes of lectures and make free-hand sketches in the class-room, which are afterwards to be elaborated into finished drawings to a scale. Occasional tasks for home work are likewise given.

In the Sub-Freshman Class one-half the time is devoted to free-hand work, similar in character to that of the other collegiate courses. The Mechanical Drawing for the same period consists of lettering, simple working drawings, wood joints, journals, rivets, bolts, keys, simple couplings, cranks, etc.

In the Freshman Class the work is confined to theo-

retical drawing, similar to that taught in the other collegiate courses.

In the Sophomore Class the time is employed partly in completing Theoretical Drawing and in Mechanical Drawing. The various points of the steam engine are explained and the students are required to make finished drawings in *ink* in the class-room. For that purpose sketches and models are freely used.

The Junior Class takes up tinting and shading, together with the study of the remaining unexplained parts of machinery, including gear wheels, etc.

The slide valve and link motion are studied theoretically in the Senior Class. In addition to this the students are taught elementary designing and proportioning of parts of engines.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best-preserved Metopes; the heroic statues of Theseus and Cephisus; a Caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Arles, Juno, the Apollo Belvedere, the Belvedere Torso and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the Class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early Christian and Renaissance painting in Italy and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. East Indian architecture is likewise illustrated by a number of photographs purchased by the College.

THE LIBRARY.

The library of the College contains 31,450 volumes. These are distributed in classes as follows:

Theology.....	871	Spanish Literature.....	231
Philosophy.....	1,457	Italian ".....	79
Law.....	474	Latin ".....	755
Mathematics.....	500	Greek ".....	748
Physics.....	2,240	Classical Philology.....	175
Natural History.....	1,305	Literature in General.....	249
Medicine.....	288	Linguistics.....	853
History of Science.....	69	Fine Arts.....	1,071
History.....	6,786	Bibliography.....	222
Biography.....	1,928	Works of Reference.....	742
Voyages and Travels.....	1,219	Periodicals.....	3,836
English Literature.....	3,143	Unclassified.....	456
German ".....	872		
French ".....	881	Total.....	31,450

Books may be taken from the library by the students as well as by the instructors; by the Alumni upon a deposit of \$10, and by the teachers of the public schools of the city.

Books have been purchased with the money apportioned to the College while known as the Free Academy, as its share of the Literature Fund of the State; with the income of the Seth M. Grosvenor Fund of \$30,000, and the Ephraim Holbrook Fund of \$5,000. Many books have been presented by authors, publishers and others, and the Board of Trustees has appropriated sums not to exceed \$1,000.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these, the first, the wood-working room, contains fifteen double benches, with closets and tools, for a class of thirty. The second, for forge and vise work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise tools. It has accommodations for a class of thirty pupils. The third, or lathe room, contains

twenty-six speed lathes, for wood or metal turning, four engine lathes, a planer, a circular saw and two testing machines, affording, like the others, accommodations for thirty students. The fourth contains a horizontal steam engine of 25 horse-power, which drives the lathes and grindstones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. In an adjoining room are a Brown & Sharpe's Milling Machine, a gas engine of 8 horse-power to take the place of the steam engine when less power is required, and also a small vertical steam engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The course of study in the workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows :

First Year—Theory and use of wood-working tools ; properties, defects, treatment and preservation of timbers ; use of testing machine in the testing of timber.

Second Year—Theory and use of metal-working tools ; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing ; use of the speed lathe.

Fourth Year—Use of the engine lathe ; screw-cutting, boring, turning, facing ; measures of precision ; scraping, finishing and fitting ; study of the parts of the steam engine from drawings, models, descriptions and examination of engines.

Fifth Year—Strength of materials ; proportioning of parts of engines ; managing and testing of engines ; physical and mechanical experiments.

DISCIPLINE.

Every student shall conduct himself according to the rules of good manners, good morals and manly propriety ; shall

give punctual and constant attention to all his duties ; shall use the property of the institution with care and economy, and restore the same when required. For violations of the rules of the College, students are demerited, formally admonished or suspended by the President, or dismissed by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit marks in one term, or 175 in one academic year, must leave the College.

**EXTRACT FROM THE RULES OF THE FACULTY OF THE COLLEGE OF
THE CITY OF NEW YORK.**

1. Every periodical or paper published by students, and sold or distributed by them within the College, shall have printed upon it the name of the Managing Editor, who shall be a student.

2. No such periodical or paper shall be sold or distributed in this College until the President shall be satisfied that the foregoing regulation has been complied with.

3. It shall be the duty of the Managing Editor to exclude from the columns of the College publication controlled by him all discourteous remarks, and all remarks whatsoever on the Officers or management of the College.

4. For any infraction of the preceding rules the Managing Editor shall be held responsible.

5. No periodical or paper, whose Managing Editor has violated the preceding rules, shall be sold or distributed in the College while he remains the Editor.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral recitations, and in accordance with the schedule of recitations pursued during the term. The difference lies mainly in the

greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are examined at the same time and subjected to the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same until he has given to the President a sufficient explanation of his absence, and to the instructor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass, on examination, in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not.

But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred; one-half of this maximum is for the term work and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct mark of each student is determined by deducting from such maximum all his demerit marks.

On the Merit Roll the students are classified Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks Highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

Commencement.

The Commencement of the College is held on the fortieth Thursday after the opening of the first term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.

2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.

3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.

4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second; the remaining honorary orations shall be numbered according to the rank of the students.

5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths of the maximum in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked "Excused," and suitable substitutes in order of rank, shall be appointed.

6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

EXTRACTS FROM THE MINUTES OF THE FACULTY OF DEC. 22, 1884.

1. On or before the first of April of each year the students of the Senior Class shall hand to the President an orig-

inal composition, written as a Graduation thesis, which shall contain not less than seven hundred words, nor more than nine hundred words; these shall be examined by the Professor of the English Language and Literature, and marked on a scale of 50.

2. Any student who shall receive less than 60 per cent. shall be rated deficient, and such deficiency shall be counted a deficiency in one of the branches of study in determining the student's graduation.

3. An Honor-man not otherwise disqualified shall deliver his Graduation thesis on Commencement, if, in the opinion of the President and the Professor of the English Language and Literature, the merits of the composition warrant public presentation, otherwise the author shall not speak at Commencement, but be marked "Excused" on the programme of Commencement exercises, and a suitable substitute shall be provided.

4. No oration shall be delivered at Commencement, unless it have been duly rehearsed before the Professor of the English Language and Literature, or, in case the Professor request it, before some other officer of the College, designated by the President. Each oration shall be finally rehearsed at least once in the College Chapel and once in the hall where the Commencement exercises are to take place; and no student shall be allowed to speak at the Commencement unless his declamation be satisfactory to the officer before whom he has rehearsed, nor unless he have acquired such command of his oration as to be able to speak it without the aid of a prompter.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, by a gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together; and in 1856 the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal to be given to the student who shall rank second.

Trustees: The Chairman of the Board of Trustees, the President of the College, Hon. A. S. Hewitt.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, by a gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres, and in 1856 the donor authorized the provision of a silver medal for the second scholar.

Trustees: The President of the College, the Professor of History, Hon. Stuyvesant Fish.

THE WARD MEDALS.

In 1853, Augustus H. Ward established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not to be precluded from obtaining others at the same time or subsequently.

The subjects are: Chemistry, Natural History, Natural Philosophy, Moral Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory, Composition, Logic,

Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Botany.

Trustees: The Executive Committee of the Board of Trustees.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, by a gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English Prose Composition in the Junior Class; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the last day of recitations in May.

Trustees: The President of the College, the Professor of History, the Professor of the English Language and Literature.

THE CLAFLIN MEDALS.

In 1871, John Claflin, by a gift of \$1,250, established two gold and two silver medals, to be awarded as follows:

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department, and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate from the Professor of Latin.

Trustees: The President of the College, James P. Lowrey, Esq.

PRIZES FOR DECLAMATION.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of the three higher classes. Only such students are eligible as have not received fifty demerit marks during the first term or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College and selected by the donor.

POETRY.

For thirty-eight years the late Professor Roemer provided anonymously a prize for the best declamation of poetry. In recognition of this fact and in honor of his memory and the name, the ROEMER PRIZE was established by the officers of the College and several graduates. The trustees of the fund (of \$300) are the Chairman of the Executive Committee, the President of the Associate Alumni and Russell Sturgis, Ph.D. The competitors are a Senior, a Junior and a Sophomore, selected from and by their several classes, in the same manner as the competitors for the prize of the President of the Board of Education. The declamations are delivered on the same occasion and judged by the same judges.

THE KELLY PRIZES.

In 1868, James Kelly, by a gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clionian Society, and three by the Phrenocosmian. The President of the Board

of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

THE BELDEN PRIZES.

In 1883, William Belden, by a gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement day, in the Junior and Sophomore Classes:

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either from the marks from recitations and on examinations, or by a special competitive examination, as may in each case seem best to the Trustees of the Prize.

2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees: The President of the College, the Professor of Pure Mathematics.

THE F. W. DEVOE & CO. PRIZES.

In 1885, F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a committee, consisting of the President of the

College, the Chairman of the Executive Committee of the Board of Trustees and the Professor of Applied Mathematics, to the student of greatest merit, in the first and second years, respectively, of the Workshop Course. Students of the Classical and Scientific Courses may compete. The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

THE KETCHUM PRIZES.

In May, 1891, Alexander P. Ketchum put into the hands of a committee, composed of the Chairman of the Board of Trustees, the President of the College and the Professor of Moral and Intellectual Philosophy, a sum of money sufficient to secure to the Department of Philosophy funds to provide annually four prizes, to be awarded to those students of the Senior and Junior Classes giving the best written evidence of proficiency in Philosophy and Political Economy at the June examinations in those subjects.

THE BENNETT PRIZE IN POLITICAL SCIENCE.

James Gordon Bennett, on May 11, 1893, gave \$1,000 to the Trustees of the College for the endowment of an annual prize under the following terms:

“The amount to be invested and kept invested, and the income thereof, or a medal of equal value, to be given annually upon Commencement day to the undergraduate member of the Senior Class who shall have taken the prescribed course of the institution in Political Science and English Literature, and who shall have prepared the best essay in English prose upon some subject of American governmental domestic or foreign policy of contemporaneous interest.

“The subjects to be selected and announced, the rules of competition formulated, and the decision rendered by the Faculty of the College.”

SERENA MASON CARNES PRIZE.

The Board of Trustees of the College of the City of New York accepted a prize of one hundred dollars, to be known as

the SERENA MASON CARNES PRIZE, given by Mr. Mason Carnes, for the best translation by students of the College above the Freshman Class of one or more scenes chosen by the Professors of the French and German Languages and Literature, and the Instructor in Spanish.

CLASSICAL SCHOLARSHIPS.

This College being, through the action of its officers and alumni, associated with eighteen of the leading universities and colleges in the United States, in support of the American School of Classical Studies at Athens, the school is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical Course; that of *Bachelor of Sciences* on those who have completed either of the Scientific courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended for the degree of Master of Arts or of Sciences, on the following conditions:

1. He shall, at the date of the Commencement at which the degree is to be conferred, have been graduated at least three years.
2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.
3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter

and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

STUDENTS' AID FUND.

In 1857 the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students ; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

ALFRED G. COMPTON, '53.....	At the College.
JOHN HARDY, '53.....	265 Broadway.
CHARLES L. HOLT, '53.....	156 Water Street.
JOHN R. SIM, '68.....	At the College.
EVERETT P. WHEELER, '56.....	45 Broadway.

LITERARY SOCIETIES.

Two Literary Societies, the Clionian and the Phrenocosmian, are connected with the College. They are devoted to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. At intervals a magazine is read, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clionian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 24, 1897.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned:

THE PELL MEDALS.

First...Gold.....CHARLES B. BUERGER.....Junior.
Second..Silver.....LOUIS SALANT.....Junior.

THE CROMWELL MEDALS.

First...Gold.....MAX RADIN.....Sophomore.
Second..Certificate.....LOUIS A. SABLE.....Sophomore.
Third...Certificate.....HAROLD MEYERS.....Sophomore.

THE CLAFLIN MEDALS.

SENIOR CLASS—GREEK.

Gold.....LEO BUERGER.

JUNIOR CLASS—LATIN.

Gold.....LOUIS SALANT.

FRESHMAN CLASS—GREEK.

Silver.....FRED'K M. CLAPP.

FRESHMAN CLASS—LATIN.

Silver.....ALFRED FRANKENTHALER.

THE WARD MEDALS.

1. Chemistry.....DAVID HEYDORN RAY.....Senior.
2. Natural History.....HARRIS A. DUNN.....Senior.
3. Natural Philosophy.....LEOPOLD BOROSHEK.....Senior.
4. Moral Philosophy.....AARON B. SALANT.....Senior.
5. Political Science.....LOUIS SALANT.....Junior.
6. English.....LOUIS SALANT.....Junior.
7. Greek.....LEO BUERGER.....Senior.
8. Latin.....ANTHONY PUGLIESE.....Senior.
9. French.....LOUIS A. SABLE.....Sophomore.
10. German.....CHARLES B. BUERGER.....Junior.
11. Spanish.....MARK HOFFMAN.....Senior.
12. Oratory.....MARTIN BIRNBAUM.....Senior.

THE WARD MEDALS—Continued.

13. Composition.....	CLARENCE G. BERNHEIMER	Senior.
14. Logic	MAX RADIN.....	Sophomore.
15. Astronomy	ALFRED D. COMPTON	Senior.
16. History	LOUIS SALANT.....	Junior.
17. Drawing	SAMUEL J. WOOLF	Sophomore.
18. Descriptive Geometry ...	FREDERICK M. STEEVES	Freshman.
19. Botany	ADOLPH E. GUTSELL.....	Sub-Freshman.
20. Algebra and Geometry...	ROBERT L. MCINTOSH	Sub-Freshman.

THE RIGGS MEDALS.

First...Gold.....	ALEXANDER SPINGARN.....	Senior.
Second..Gold.....	BERNARD M. ERNST.....	Junior.
Third...Honorable mention.	GEORGE G. WEINBERGER.....	Junior.

THE KELLY PRIZE.

FOR THE BEST CRITIQUE. SUBJECT: "The Story of the Holy Grail," as told in Tennyson's "Idylls of the King."

RALPH WEINBERG.....Senior Class.

THE PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation	GEORGE G. WEINBERGER	Junior.
Honorable mention.....	MARK HOFFMAN.....	Senior.

THE ROEMER PRIZE.

Poetry Declamation.....	S. JOHN BLOCK	Sophomore.
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THE KETCHUM PRIZES.

SENIOR CLASS—HISTORY OF PHILOSOPHY.

First.....	AARON B. SALANT.
Second.....	GEORGE W. VANDEGRIFT.

JUNIOR CLASS—POLITICAL ECONOMY.

First	LOUIS SALANT.
Second	WILLIAM C. REED.

THE BENNETT PRIZE.

SUBJECT: "The Cuban Question, Considered in the Light of the Principles of Belligerent Recognition."

RALPH WEINBERG.....Senior.

PRIZE OF THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION.

ARTHUR J. STERN.....	Senior.
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THE SERENA MASON CARNES PRIZES.

German.....	AARON B. SALANT.....	Junior.
French.....	ALEXANDER SPINGARN.....	Junior.
Spanish.....	SAMUEL WECHSLER.....	Senior.

THE F. W. DEVOE & CO. PRIZES.

For Wood-working.....	WOLF SOLOTAROFF.....	Sub-Freshman.
For Metal-working.....	LOUIS C. THOMPSON.....	Freshman.

THE BELDEN PRIZES.

JUNIOR CLASS.

Gold	CHARLES B. BUERGER.
Silver	JULIUS FRANK.
Silver	MAX PHILIP.
Silver.....	SAMUEL VIERTELS.

SOPHOMORE CLASS.

Gold.....	DAVID GOLDSTEIN.
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The Graduating Honors were—

First (Valedictorian)	AARON B. SALANT.
Second (Salutatorian)	HUBERT F. BREITWIESER.
Third.....	I. EDWIN GOLDWASSER.
Fourth	JOHN BERGER.
Fifth.....	ALFRED D. COMPTON.
Sixth.....	MICHAEL ROSENBERG.
Seventh.....	DONALD G. WHITESIDE.

Honorable mention is made of CLARENCE G. BERNHEIMER, MARTIN BIRNBAUM, LEO BUERGER, ALEXANDER M. BING, ARTHUR H. DIAMANT, ANTHONY PUGLIESE, ALEXANDER SPINGARN, CHARLES P. SCHMID, JR., for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

MASTER OF SCIENCES.

GANO S. DUNN, B.S., '89.

STEPHEN P. DUGGAN, B.S., '90.

BACHELOR OF ARTS.

ANSPACHER, LOUIS KAUFMAN
ARNSTEIN, MAX L.
BIRNBAUM, MARTIN
BROWNE, ROBERT L.
BUERGER, LEO
COLEMAN, WILLIAM A.
DEARBORN, FREDERICK MYERS
ELGAS, WILLIAM TAYLOR
FOEHRENBACH, HERMAN P.
FOX, SOLOMON W.
FRIED, ISIDOR
GEOGHEGAN, WALTER F.
GOMBARTS, GEORGE
HARRIS, MAXWELL S.
JELLINGHAUS, C. FREDERICK
KRAMPNER, WILLIAM
LIEBERMAN, JOHN
MANDEL, MORRIS
NEWMAN, JOSEPH

PATRI, ANGELO
PAUL, FRANCIS H. J.
PUGLIESE, ANTHONY
RAFFERTY, JAMES A.
RAY, DAVID HEYDORN
REINHARDT, EMANUEL
REMENTSKY, JOSEPH
ROLL, JOHN KRAPP
SCHULTZ, ALFRED PAUL
SCHWED, FREDERICK OSBORNE
SINCLAIR, UPTON B., JR.
SPRINGMEYER, CHARLES EDWIN
STERN, ARTHUR JOSEPH
STERN, SIMON THEODORE
STERN, SYDNEY WILFRED
SUGARMAN, SOLOMON CHARLES
SWAN, GILES J.
VANDEGRIFT, GEORGE WONSON
WEINBERG, RALPH

BACHELOR OF SCIENCES.

BERGER, JOHN
BERNHEIMER, CLARENCE GANS
BILLO, OTTO
BING, ALEXANDER M.
BOROSCHEK, LEOPOLD
BOYD, WILLIAM B.
BREITWIESER, HUBERT FREDERICK
BRUSTLEIN, CHARLES H.

CHANKIN, JOSEPH
COHEN, HYMAN
COMPTON, ALFRED DONALDSON
DIAMANT, ARTHUR H.
DONOHUE, THOMAS
DOOB, IRVING E.
DORLAND, GEORGE W.
DUNN, HARRIS ASHTON

BACHELOR OF SCIENCES—Continued.

FINDLAY, WALTER	ROSENBERG, SAMUEL
GARRETY, WILLIAM PLYMON	RUPPRECHT, HUGO
GEOGHEGAN, JOSEPH G.	SALANT, AARON B.
GOLDWASSER, ISRAEL EDWIN	SCHLOSSER, JACQUES BACH
GOODMAN, MAURICE	SCHMID, CHARLES P., JR.
GRADY, WILLIAM E.	SCHROEDER, LOUIS J.
HELLER, BERNARD S.	SIMMONS, MAURICE
HOFFMANN, MARK	SOLOMON, NATHAN
JACOBSON, SAMUEL	SPARKS, CLARENCE ASHTON
JOSEPH, LOUIS	SPINGARN, ALEXANDER
KAEMPFERT, WALDEMAR B.	STAHL, GEORGE F.
LUDWIG, AUGUSTUS	STARK, MORRIS
MCGUIRE, CLARENCE K.	STARK, NATHAN
MICHAEL, GEORGE W.	TOMBO, CARL
MORRISON, CHARLES EDWARD	VERMILYA, PERCY S.
PLATT, MARK C.	VOGEL, GEORGE EDWARD
RADGIK, ABRAHAM	VOGT, CHARLES A. M.
RICH, ALBERT G.	WADE, JOHN EDGAR
ROBERTS, ARTHUR JOSEPH DEAN	WHITESIDE, DONALD GRANT
ROSENBERG, MICHAEL	ZIEGEL, HERMAN F. L.

COLLEGIATE CALENDAR.

1897-1898

1897.

- Sept. 20. Thursday—Commencement of First Term.
 Nov. 2. Tuesday—Election Day.
 Nov. 25. Thursday—Thanksgiving Day.
 Dec. 25. Saturday—

1898.

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|-----------|------------|---|-------------------------------|
| Jan. 1. | Saturday— | } | WINTER VACATION. |
| Jan. 14. | Friday— | | End of First Term. |
| Jan. 17. | Monday— | | Review Examination commences. |
| Jan. 28. | Friday— | | Review Examination ends. |
| Jan. 31. | Monday— | | Commencement of Second Term |
| Feb. 12. | Saturday— | | Lincoln's Birthday. |
| Feb. 22. | Tuesday— | | Washington's Birthday. |
| April 8. | Friday— | | Good Friday. |
| April 30. | Saturday— | } | SPRING VACATION. |
| May 7. | Saturday— | | |
| May 27. | Friday— | | End of Second Term. |
| May 30. | Monday— | | Memorial Day. |
| May 31. | } | Examinations for Advancement and Admission. | |
| June 10. | | | |
| June 17. | Friday— | | Prize Speaking. |
| June 23. | Thursday— | | Commencement. |
| June 24. | Friday— | } | SUMMER VACATION |
| Sept. 14. | Wednesday— | | |
| Sept. 15. | Thursday— | | Commencement of First Term |

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Adams, Richard H.....	142 Convent avenue.....	737 Broadway.
Agar, John G.....	9 West 48th street.....	31 Nassau street.
Anderson, E. Ellery	Waldorf	27 William street.
Andrews, W. Edson	527 East 164th street.....	729 Tremont avenue.
Bannard, Otto T.....	135 Madison avenue.....	30 Broad street.
Eustis, John E.....	Morris Heights	80 Broadway.
Greenough, William.....	32 West 9th street.....	41 Worth street.
Hubbell, Charles B.....	Westminster.....	2 Wall street.
Hurlbut, William H	703 Park avenue	
Kelly, Hugh.....	61 Fifth avenue.....	71 Wall street.
Ketchum, Alexander P...	32 Mt. Morris Park, W...	57 Cotton Exchange.
Little, Joseph J.....	23 West 45th street	8 Astor place.
Mack, Jacob W	129 West 75th street	92 Liberty street.
Maclay, Robert.....	50 West 57th street	66 Broadway.
McSweeney, Dan'l E., M.D.	129 East 29th street.....	
Montant, Auguste P.....	39 West 21st street.....	71 Worth street.
Peaslee, Edward H., M.D.	61 Park avenue	
Prentiss, Nathaniel A....	119 East 38th street.....	120 Broadway.
Rogers, Henry A.....	347 West 57th street.....	19 John street.
Speyer, James.....	427 Fifth avenue.....	30 Broad street.
Taft, Henry W.....	340 Lexington avenue....	40 Wall street.
Webb, Alex'der S., LL.D.	Riverdale	College.

Arthur McMullin, A.M., Secretary; office, Hall of the Board of Education.

Edward E. Van Saun, Assistant Secretary; office, Hall of the Board of Education.

OFFICERS OF THE COLLEGE.

Allen, Joseph	Tutor	107 East 45th street.
Baralt, Luis A.	Instructor	59 West 76th street.
Bennett, Thomas Archie	Tutor	New Brighton, S. I.
Bliss, Henry E.	Dep'y Librarian	344 West 51st street.
Brownson, Carleton L.	Instructor	New Rochelle, N. Y.
Bruckner, Arthur	Tutor	513 East 87th street.
Bryan, Walter	Instructor	304 Clinton street, Brooklyn.
Burke, Edmund	Tutor	156 East 48th street.
Carr, Henry S.	Tutor	133 Manhattan avenue.
Compton, Alfred G.	Professor	40 West 126th street.
Constant, Stanislas C.	Ass't Prof.	142 East 48th street.
De Groodt, James H.	Instructor	288 Summit ave., Jersey City.
Doremus, Charles A.	Ass't Prof.	59 West 51st street.
Doremus, R. Ogden	Professor	241 Madison avenue.
Downer, Charles A.	Instructor	124 East 24th street.
Duggan, Stephen P.	Instructor	533 Lexington avenue.
Engelsman, Gabriel	Tutor	62 East 120th street.
Fabregou, Casimir	Professor	111 West 130th street.
Fox, William	Ass't Prof.	West New Brighton, S. I.
Friedburg, Ludwig H.	Tutor	384 Monroe street, Brooklyn.
Galicenstein, Clarence	Tutor	129 West 132d street.
Hanaway, Samuel	Tutor	1182 Madison avenue.
Hatch, Robert H.	Instructor	111 West 48th street.
Herbermann, Charles G.	Professor	223 West 25th street.
Horne, Charles F.	Tutor	62 West 99th street.
Hunt, Leigh H.	Ass't Prof.	159 West 23d street.
Ilgen, Ernest	Instructor	369 Herkimer street, Brooklyn.
Johnston, Henry P.	Professor	37 East 50th street.
Kost, Henry G.	Tutor	730 East 134th street.
Krowl, Harry C.	Tutor	
Laffargue, Gaston A.	Tutor	782 Union avenue.
Legras, Gustave	Ass't Prof.	1931 Madison avenue.
Levussove, Moses S.	Tutor	1713 Lexington avenue.

OFFICERS OF THE COLLEGE—Continued.

Lippincott, Harold E.....	Tutor.....	42 Irving place.
Mandel, John A.....	Instructor	Astoria, L. I.
Mason, James Weir.....	Professor.....	32 West 129th street.
Mayell, Henry.....	Sec. and Reg'r.	17 Lexington avenue.
McGuckin, William G.....	Ass't Prof.....	176 West 105th street.
McNulty, John J.....	Professor	58 Morton street.
Meighan, Howard S.....	Tutor	45 East 9th street.
Morse, Livingston B.....	Tutor.....	Upper Montclair, N. J.
Mott, Lewis F.....	Professor	The Strathmore.
Naumburg, Bernard.....	Tutor.....	124 West 64th street.
Nordby, Conrad H	Instructor	30 West 132d street.
Parmly, C. Howard.....	Instructor	344 West 29th street.
Perrin, Ernest N.....	Tutor.....	111 West 124th street.
Reynolds, Frederick G....	Tutor.....	144 West 132d street.
Rupp, August.....	Ass't Prof.....	225 East 19th street.
Saurel, Paul L	Tutor.....	141 West 84th street.
Sickels, Ivin	Ass't Prof.....	West Nyack, N. Y.
Sim, John R	Ass't Prof.....	536 West 156th street.
Smith, Calvin R.....	Ass't Prof.....	293 Decatur street, Brooklyn.
Smith, Robert F	Tutor	287 West 4th street.
Stratford, William	Professor	263 West 52d street.
Thomas, Charles W.....	Tutor.....	130 West 61st street.
Tisdall, Fitz Gerald	Professor	80 Convent avenue.
Webb, Alexander S.....	President	Riverdale.
Werner, Adolph.....	Professor	339 West 29th street.
Woolf, Solomon.....	Professor	832 West End avenue.
Bonney, Michael F.....	Janitor.....	College Building.
Reed, James	Engineer.....	College Building.

THE ASSOCIATE ALUMNI.

The College has graduated in forty-three classes, from 1853 to 1897, 1,878 men, of whom about 1,440 are living. These are associated under the name of "The Associate Alumni of the College of the City of New York." The annual social meeting is held on the day after the Commencement, in the College building. The business meeting is held on the third Saturday in October. The officers for the present year are:

<i>President</i> ...	E. FRANCIS HYDE, '61.
<i>Vice-President</i>	JAMES C. MCCREERY, '75.
<i>Secretary</i>	JAMES C. BYRNES, '86.
<i>Treasurer</i>	CHAS. MURRAY, '84.
<i>Historian</i>	JOHN SHERMAN BATTELL, '73.

LIST OF OFFICERS

OF THE

Associate Alumni of the College of the City of New York,

COMPILED BY JOHN WELDON, JR., EX-SECRETARY, OCT. 30, 1897.

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1857. *President*, JAMES R. STEERS, '53; *Secretary*, SAMUEL G. R. JELLIFFE, '57.
1858. *President*, JOSEPH ANDERSON, '54; *Secretary*, WILLIAM M. BANKS, '58.
1859. *President*, ALFRED G. COMPTON, '53; *Secretary*, FITZGERALD TISDALL, '59.

1860. *President*, ALFRED G. COMPTON, '53; *Secretary*, JAMES GODWIN, '58.
1861. *President*, ALFRED G. COMPTON, '53; *Secretary*, JAMES GODWIN, '58.
1862. *President*, ALFRED G. COMPTON, '53; *Secretary*, JAMES GODWIN, '58.
1863. *President*, ALFRED G. COMPTON, '53; *Secretary*, GEORGE G. NEEDHAM, '62.
1864. *President*, EVERETT P. WHEELER, '56; *Secretary*, JAMES KNOX, '59.
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1868. *President*, WILLIAM M. BANKS, '58; *Vice-President*, FREDERICK J. DE PEYSTER, '60; *Secretary*, SOLOMON WOOLF, '59; *Treasurer*, JAMES KNOX, '59; *Historian*, EVERETT P. WHEELER, '56.
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1876. *President*, ALEXANDER P. KETCHUM, '58; *Vice-President*, THOMAS CROWTHER, '58; *Secretary*, GILBERT H. CRAWFORD, '68; *Treasurer*, JAMES KNOX, '59; *Historian*, FREDERICK J. DE PEYSTER, '60.
1877. *President*, ALEXANDER P. KETCHUM, '58; *Vice-President*, THOMAS CROWTHER, '58; *Secretary*, GILBERT H. CRAWFORD, '68; *Treasurer*, JAMES KNOX, '59; *Historian*, FREDERICK J. DE PEYSTER, '60.
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1879. *President*, ALEXANDER P. KETCHUM, '58; *Vice-President*, ARNOLD TANZER, '59; *Secretary*, GILBERT H. CRAWFORD, '68; *Treasurer*, JAMES KNOX, '59; *Historian*, JAMES E. MORRISON, '61.
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1881. *President*, SAMUEL G. JELLIFFE, '57; *Vice-President*, ARNOLD TANZER, '59; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1882. *President*, FREDERICK J. DE PEYSTER, '60; *Vice-President*, J. SEAVER PAGE, '62; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1883. *President*, FREDERICK J. DE PEYSTER, '60; *Vice-President*, J. SEAVER PAGE, '62; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1884. *President*, J. SEAVER PAGE, '62; *Vice-President*, CHARLES H. KITCHEL, '57; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1885. *President*, J. SEAVER PAGE, '62; *Vice-President*, CHARLES H. KITCHEL, '57; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1886. *President*, CHARLES H. KITCHEL, '57; *Vice-President*, JAMES GODWIN, '58; *Secretary*, WILBUR LARREMORE, '75; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.

1887. *President*, JAMES GODWIN, '58; *Vice-President*, RICHARD R. BOWKER, '68; *Secretary*, RICHARD L. SWEETZ, '74; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1888. *President*, JAMES GODWIN, '58; *Vice-Presidents*, RICHARD R. BOWKER, '68, JOHN BACH MCMASTER, '72; *Secretary*, RICHARD L. SWEETZ, '74; *Treasurer*, JAMES KNOX, '59; *Historian*, JOHN S. BATTELL, '73.
1889. *President*, RICHARD R. BOWKER, '68; *Vice-President*, HENRY S. CARR, '66; *Secretary*, RICHARD L. SWEETZ, '74; *Treasurer*, FERDINAND SHACK, '74; *Historian*, JOHN S. BATTELL, '73.
1890. *President*, HENRY S. CARR, '66; *Vice-President*, EDWARD LAUTERBACH, '64; *Secretary*, RICHARD L. SWEETZ, '74; *Treasurer*, FERDINAND SHACK, '74; *Historian*, JOHN S. BATTELL, '73.
1891. *President*, HENRY S. CARR, '66; *Vice-President*, RICHARD L. SWEETZ, '74; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, ALRICK H. MAN, '77; *Historian*, JOHN S. BATTELL, '73.
1892. *President*, RICHARD L. SWEETZ, '74; *Vice-President*, CHARLES E. LYDECKER, '71; *Hon. Vice-Presidents*, PROF. IRA REMSEN, '65, and PROF CLEVELAND ABBE, '57; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, LEWIS F. MOTT, '83; *Historian*, JOHN S. BATTELL, '73.
1893. *President*, RICHARD L. SWEETZ, '74; *Vice-President*, CHARLES E. LYDECKER, '71; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, SAMUEL A. TUSKA, '84; *Historian*, JOHN S. BATTELL, '73.
1894. *President*, CHARLES E. LYDECKER, '71; *Vice-President*, JOHN HARDY, '53; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, SAMUEL A. TUSKA, '84; *Historian*, JOHN S. BATTELL, '73.
1895. *President*, CHARLES E. LYDECKER, '71; *Vice-President*, HENRY P. O'NEIL, '60; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, CHARLES MURRAY, '84; *Historian*, JOHN S. BATTELL, '73.
1896. *President*, CHARLES E. LYDECKER, '71; *Vice-President*, EDWARD LAUTERBACH, '64; *Secretary*, JOHN WELDON, JR., '61; *Treasurer*, CHARLES MURRAY, '84; *Historian*, JOHN S. BATTELL, '73.
1897. *President*, E. FRANCIS HYDE, '61; *Vice-President*, JAMES E. MCCREERY, '75; *Secretary*, JAMES C. BYRNES, '86; *Treasurer*, CHARLES MURRAY, '84; *Historian*, J. SHERMAN BATTELL, '73.

ABBREVIATIONS.

Am. Inst. M.E.—American Institute of Mining Engineers.

B. H. M. C.—Bellevue Hospital Medical College.

C. C.—Columbia College.

N. Y. Col. Pharm.—New York College of Pharmacy.

N. Y. U.—New York University.

P. & S.—College of Physicians and Surgeons.

St. F. X.—College of St. Francis Xavier.

U. T. S.—Union Theological Seminary.

W. Univ. Penna.—Western University of Pennsylvania.

ALUMNI.

1853.

- Birdsall, George W., A.B., civil engineer, Departm't of Pub. Works, American Tract Society Building.
 *Brant, James Randolph, A.B.
 Clark, George Lyon, A.M., merchant, 365 West Jersey street, Elizabeth, N. J.
 Compton, Alfred George, A.M., professor, 40 West 126th street.
 Corwin, Edward T., A.M., D.D., clergyman, New Brunswick, N. J.
 *Donohue, John Henry, A.B.
 Gray, Giles Hubbard, A.M., lawyer, 210 Montgomery street, San Francisco, Cal.
 Grout, Thomas J., A.M., inspector, 44 Pearl street.
 Hardy, John, A.M., lawyer, 265 Broadway.
 Holt, Charles Lorin, A.B., merchant, 139 Maiden Lane.
 Hubbell, Charles W., A.M., bookkeeper, National Park Bank, 86 Taylor street, Brooklyn.
 Rayner, Benjamin S., A.M., agent.
 Seligman, Isaac, A.B., banker, London, England, 21 Broad street.
 Sparrow, George, A.M., searcher of titles, Co. Clerk's Office, B'klyn.
 Steers, James R., Jr., A.B., LL.B., C.C., '63, lawyer, 31 Nassau street.
 *Ward, Elijah, A.M.
 Wightman, James S., A.B., architect, 214 West 131st street.

1854.

- Anderson, Joseph, A.M., D.D., U.T. S., '58; S.T.D., Yale '78, '84; Mem-

- ber Yale College Corporation
 Member Am. Antiq. Soc., Member Am. Orient Soc., Member Am. Hist. Soc., Member Am. Philol. Soc.; clergyman, Waterbury, Conn.
 Babcock, Nichols H., real estate, 5 Beekman street.
 Belfour, Edmund, A.M., D.D., clergyman, 328 Craig street, Pittsburg, Pa.
 *Cruikshank, William, A.B., agent.
 Denny, John Tappan, A.B., banker, 6 West 34th street.
 Donohue, James M., M.S., lawyer.
 Douglass, Eugene, A.M., M.D., physician.
 *Duncan, Peter H., A.M.
 *Forbes, John McL., A.M.
 *Gray, William Neil, A.M.
 Kimball, Rodney G., A.M., B.S., Ph.D., professor, Polytechnic Institute, Brooklyn.
 Little, James A., A.M., D.D., Lafayette, '87, clergyman, Hoken-dauqua, Pa.
 *Moulton, Francis D., A.B.
 Nixon, George, A.M., clergyman, Tremont, N. Y.
 Post, George E., A.M., M.D., N.Y.U., Fellow Linnean Soc., London, Member N.Y. Acad. Med., Member N.Y. Acad. Sciences, professor surgery, Beirut, Syria.
 Velsor, Joseph A., A.B., drugs, 9 Gold street.
 Walsh, De Witt C., A.B., engineer.
 Walther, Peter, A.B, iron founder, 365 East 123d street.

* Deceased.

Weir, Robert Fulton, A.M., M.D.,
professor, 37 West 33d street.
*White, Charles Belden, A.M., M.D.
White, George, Jr., A.M., LL.B.,
Principal G. S. 70, 207 East 75th
street.
*Wightman, Edw. K., A.M.

1855.

*Abel, William Henry, A.M.
Adams, William Menzies, A.M.,
N. Y. Life Ins., 465 Waverley
avenue, Brooklyn.
Allendorph, Charles W., A.B., mer-
chant, Lawrence, Kansas.
*Alvord, Alwin Alonzo, A.M.
Babcock, Hamlin, A.M., real estate.
Baldwin, Simeon, Jr., B.S., banker,
321 Lexington avenue.
*Bayles, Lewis Condit, A.M.
Brinkerhoff, Walter, A.B., clerk,
423 Bergen avenue, J. C. Heights.
Church, Elihu Dwight, A.M., mer-
chant, 129 Pearl street.
Cole, William Madison, A.M., Pres.
Brooklyn Life Ins. Co., 51 Liberty
street.
Daly, Charles, A.M., merchant, 302
Broadway.
*De Camp, William H., A.M.
*Fernandez, Luis, A.B., M.D.
Gardner, Andrew J., A.B., mer-
chant, 114½ Norman avenue,
Brooklyn.
*Grant, James H., A.B.
Greenfield, George J., A.M., L.L.B.,
lawyer, 35 Broadway.
*Hayes, Charles Gregory, A.B.
*House, Samuel B., A.M.
*Jessop, Samuel, A.M., M.D.
Keyser, Robert Blair, A.M., L.L.B.,
Ph.D., 488 Hudson street.
*Kimball, Warren W., A.B.

Lee, Benjamin F., A.B., LL.D.,
lawyer, 20 Nassau street.
Macfarlane, Hugh, Jr., A.B., mer-
chant, 1130 Park avenue.
Mason, Francis Asbury, A.B.,
clergyman.
Mason, James Weir, A.M., profes-
sor, 32 West 129th street.
*Post, Henry A., A.M.
Raymond, Russell, A.M., secretary,
501 Fifth avenue.
Rowell, Alfred, A.B., fire insur-
ance, 543 King's Bridge Road,
Fordham, N. Y.
Saunders, Thorndike F., A.M.,
lawyer, 170 Broadway.
Searle, Dayton W., A.M., M.D.,
physician, 6 West 127th street.
Wight, Peter Bonnett, A.B., archi-
tect, 225 Dearborn street,
Chicago.
Wightman, Charles S., A.B., cler-
gyman, Oyster Bay, L. I.

1856.

Baker, Colgate, A.B., merchant,
Japan.
*Davis, Henry, Jr., A.B.
Hatfield, Robert Frank, B.S., archi-
tectural engineer and accountant,
31 Pine street.
*Howe, John, Jr., A.M., M.D.
Jasper, John, A.M., Superintendent
Schools, 146 Grand street.
Kenyon, John, A.B., 70 West 127th
street.
*Leeds, Frederick A., A.B.
McMullen, Francis, A.B., clerk.
McMullin, Arthur, A.M., clerk,
Board of Education, 146 Grand
street.
*Muller, Adrian H., Jr., A.B.
*Pinkney, Howard, A.M., M.D.

* Deceased.

Pratt, Charles Henry, A.M., real estate, 727 Sixth street, S. E., Minneapolis, Minn.

Ranney, Julius Harris, A.M., LL.B., lawyer.

*Rising, Franklin S., A.M.

*Sherman, Henry, A.B.

Sturgis, Russell, A.M., Ph.D., architect, 307 East 17th street.

*Van Buren, James L., A.B.

Walker, Aldace A., A.B.

*Ward, John Edward, A.B.

Wheeler, Everett P., A.M., Dartmouth College, LL.B., Harvard College, Member Board of Education, 1877-'79; Chairman Municipal Civil Service Board, 1883-'89; Author of "The Modern Law of Carriers"; "Wages and the Tariff," lawyer, 45 Broadway.

1857.

Abbe, Cleveland, A.M., Ph.D. LL.D., U. S. Signal Service, 2017 I street, Washington, D. C.

Babcock, Jared Starr, A.M., stationer, 2083 Fifth avenue.

*Banning, Wells T., A.B.

*Bell, Joseph William, A.M.

*Bloomfield, Smith, A.M., B.S., LL.B.

*Brush, Charles T., M.S.

*Church, James Austin, A. B., B.S.

Denman, William M., A.M., LL.B., lawyer, 5 Beekman street.

Fanning, David Green, A.B., clerk, Fourth Nat. Bank, N. Y.

*Fisk, Samuel Nelson, A.M., M.D.

*Hawes, Geo. Elias, A.B., B.S., M.D.

*Jelliffe, Samuel Gould, A.M.

*Kitchel, Charles Henry, A.M., lawyer.

*McMullen, Patrick, A.B.

*Maxwell, Samuel, A.M., B.S.

Myers, Oscar, A.M., merchant, 16 Beekman street.

Roberts, John Sinclair, A.M., B.S., Member N. Y. Hist. Soc., evangelist, Morris Plains, N. J.

*Solomon, Nathan, M.S.

*Van Deusen, Sylvester, A.B.

Van Siclen, George W., M.S., LL.B., lawyer, 108 Fulton street.

Werner, Adolph, M.S., Ph.D., professor, 339 West 29th street.

1858.

Banks, William Mellen, A.M., broker, 60 Broadway, Portchester, N. Y.

Beneville, Emile, A.M., LL.B., C.C., lawyer, 229 Broadway.

Blake, Theodore A., A.B., mining engineer, New Haven, Conn.

Childs, A. Frederick, B.S., bookkeeper, 17 Burling slip.

*Clark, John, A.B.

*Crowther, Thomas, A.M.

Ely, John Andrews, A.B., real estate, 64 Cedar street.

Godwin, James, A.M., assistant superintendent, 146 Grand street.

*Hallock, William K., A.M., M.D.

*James, Charles Arthur, A.B.

Ketchum, Alex. P., A.M., LL.B., lawyer, 4 William street.

*Kirkland, William, A.B.

Kursheedt, Manuel A., A.M., lawyer, 35 Warren street.

McKee, Thomas J., A.M., lawyer, 237 West 24th street.

*Moriarty, Henry E., A.B.

Pettigrew, John Fisher, A.B., bookkeeper, Hackensack, N. J.

Plyer, Charles Whiting, A.B., insurance, 420 Broome street.

*Deceased.

Pullman, J. Wesley, M.S., secretary and treasurer, 240 South Third street, Philadelphia, Pa.

*Sands, Walter Seabury, A.B., LL.B.

*Sloan, Henry King, A.B.

Sturges, Peter D., A.B. merchant.

*Tomkins, Elliott D., A.M.

Utter, George Spencer, A.B., coal dealer, Rockville Center, L. I.

*Vehslage, Henry, Jr., A.M.

Whittemore, Samuel W., B.S. architect, 531 Main street, East Orange, N. J.

1859.

Appleton, John Perrin, A.M., clergyman, Nutley, N. J.

Boarer, James, Jr., A.B., florist, 256 Cooper street, Brooklyn.

*Carolyn, John Aloysius, M.S.

Dresser, Horace E., A.M., merchant, 343 Broadway.

Elliott, Richmond B., A.M., M.D., V.P.G.S. 32, 25 East 129th street.

Fackler, David Parks, A.M., actuary, 20 Nassau street.

Fitzpatrick, James C., A.M., editor, 129 St. Felix street, Brooklyn.

Gardiner, Asa B., A.M., LL.D., Major U. S. A., retired, 31 Nassau street.

Gilley, Franklin W., Jr., A.M., broker, Drexel Building.

*Howland, Elijah A., A.M.

Hudson, Wilbur Fisk, A.B., Principal G.S. 18, 121 East 51st street.

Ireland, Oscar Brown, A.M., Act., Mass. Life, Springfield, Mass.

*Knox, James, A.M., LL.B.

*Lozier, Abraham W., A.M., M.D.

Mackie, Simon Frazer, A.M., merchant.

Man, William, A.M., lawyer, 56 Wall street.

Martin, Benjamin Ellis, M.D., physician, London, England.

Merritt, Mortimer C., M.S., architect, 1267 Broadway.

*Quinn, William Bernard, A.M.

*Sanders, Reid, A.B.

Seaman, James Alfred, A.M., lawyer, 54 William street.

Sherman, Gardiner, A.B., 214 West End avenue.

*Southworth, Joseph, B.S.

Sullivan, Dennis F., A.M., bookkeeper, 64 Pearl street.

Sutton, John Joseph, A.B., merchant, Rye, N. Y.

Tanzer, Arnold, A.M., merchant, 40 West 93d street.

Tisdall, Fitz Gerald, A.M., Ph.D., professor, 17 Lexington avenue.

Wood, Edward A., A.B., merchant, 178 Fulton street.

*Woodruff, Lockwood D., A.B., M.D.

Woolf, Solomon, A.M., professor, 832 West End avenue.

1860.

*Adams, Samuel G., B.S.

Allison, Thomas, A.M., lawyer, 59 Liberty street.

*Balch, Charles Leland, A.M.

*Black, George A., A.B., LL.B., C.C.

Bradley, Edward A., A.M., D.D., clergyman, 121 West 91st street.

Buckmaster, John W., A.B., clergyman, Tuckahoe, N. Y.

Chappell, William, A.B., clerk, 86 Pike street.

Chollar, Byron Edgar, A.B., engineer, 411 North 11th street, St. Louis, Mo.

Connor, Rowland, M.S., lawyer, Saginaw, Mich.

* Deceased.

*Crocheron, Reuben, A.B.
 *Crosby, Frank Butler, A.B., 1st
 Lieutenant 4th U. S. Artillery.
 *Delaney, John J., A.B.
 de Peyster, Fred. J., A.M., LL.B.,
 lawyer, 7 East 42d street.
 *de Peyster, Jacob A., A.M.
 Dwight, Melatiah E., A.M., M.D.,
 clergyman, Plainfield, N. J.
 Easton, Robert T. B., A.M., LL.B.,
 lawyer, 120 Broadway.
 *Goodwin, Fred. J., A.B.
 Grant, Rich. Suydam, A.B., banker,
 33 Wall street.
 *Gray, William C. Bryant, B.S.
 *Harrt, Henry Le Baron, A.M.,
 M.D.
 Hiscock, Freeman, A.B., 853 Broad-
 way.
 Hobart, Frederick, A.M., editor, 253
 Broadway.
 Hyatt, Stephen Burdett, A.M.,
 LL.B., C.C., '62, Member Medico-
 Legal Soc., Member Archæolog-
 ical Soc., lawyer, 146 Broadway.
 James, Josiah, A.B., care S. L. Van
 Antwerp, City of Mexico, Mexico.
 *Keith, C. Clarence T., A.B.
 Ketchum, Edgar, A.M., LL.B.,
 C.C., lawyer, 4 William street.
 *Loveridge, Henry, M.S.
 Mackeller, Thomas, A.B., lawyer,
 132 Nassau street.
 Markoe, Francis, A.B., editor, Bal-
 timore, Md.
 McCutcheon, Edward, A.M.
 Meeks, Ed. Bartlett, A.B., clerk, 30
 Vesey street.
 *Nesbitt, Alexander, A.M.
 *O'Brien, William, A.M.
 O'Neil, Henry P., A.M., LL.B.,
 C.C., '73, Ph.D., Principal G. S.
 1, 331 East 120th street.
 Rawolle, Frederick, M.S., engineer,
 163 William street.

Sherman, Scott R., A.M., lawyer,
 140 Nassau street.
 Smith, William C., B.S., builder, 71
 Perry street.
 *Thurman, William, A.B., M.D.
 Torrey, Herbert Gray, A.B., U. S.
 Assayer, 32 Wall street.
 *Trainer, Eugene F., A.B.
 Tremain, H'y Edwin, A.B., LL.B.,
 Major A. D. C. Vols., 1863, Bvt.
 Brig. Gen'l, Vols., 1865, lawyer,
 146 Broadway.
 Van Boskerck, R. T., A.M., LL.B.,
 C.C., '64, lawyer, Temple Court.
 Weightman, George, Jr., A.M.,
 treasurer Hazard Powder Co., 46
 Cedar street.
 White, Henry Kirke, M.S., LL.B.,
 lawyer, St. Joseph, Mo.
 Wood, Joseph Lane R., M.S., mer-
 chant, 115 Nassau street.
 *Young, Ed. Francis, A.B. (Major 4th
 N. Y. Vol. Heavy Artillery, 1863).

1861.

Ascough, Theodore G., B.S., clerk,
 171 West 11th street.
 *Bancker, Marinus W., A.M.
 Briggs, Benj. Mills, M.S., M.D.,
 physician, 106 Willoughby street,
 Brooklyn.
 Childs, Evander, Jr., M.S., Princi-
 pal G. S. 61, 811 East 116th street.
 *Cooper, George C., A.B., LL.B.,
 C.C.
 Cox, Edwin Marion, A.M., broker,
 66 Exchange place.
 Crosby, William B., A.B., LL.B.,
 lawyer, 120 Broadway.
 *Elliott, Gilbert M., A.B. (Major
 102d N. Y. Vols., 1864).
 Hopkins, S. Milford B., A.B., clerk,
 52 Wall street.
 *Hopping, Edward C., A.B.

* Deceased.

- Hyde, Edwin Francis, A.B., LL.B.,
C.C., vice-president Central Trust
Co., 54 Wall street.
- Kelly, Edward C., A.M., secretary,
322 East 87th street.
- Kennedy, Theodore W., B.S., man-
ufacturer, P. O. Box 70, Jersey
City.
- Kennedy, Thomas J., A.M., 354
Fourth street, Jersey City.
- *Kiernan, Lawrence D., A.M.,
LL.D.
- *Kimball, William C., M.S.
- King, James, Jr., A.B., druggist, 20
Catherine street.
- Kingsland, Phineas C., searcher,
Comptroller's office, 280 Broad-
way.
- *Kirkland, Charles P., Jr., lawyer.
- Little, William, A.B., maltster,
Media, Del. Co., Pa.
- Lowrey, James Patchell, A.B.,
lawyer, 32 Nassau street.
- Man, Frederick H., A.B., LL.B.,
C.C., lawyer, 56 Wall street.
- McGeorge, William, Jr., A.M., law-
yer, Bullitt Building, 4th street,
above Walnut st., Philadelphia.
- Mitchell, Roland G., Jr., B.S., mer-
chant, 141 Water street.
- *Morrison, James E., A.M., LL.B.
- *Murphy, James, A.M.
- Orr, Robert, A.B., merchant, 388
Pearl street.
- *Pullman, James Henry, B.S.
- Raymond, James Loder, A.B., clerk
in Comptroller's office, 280 Broad-
way.
- *Roberts, George W., A.B.
- Sanger, William Henry, B.S., clerk,
Comptroller's office, Albany, N.Y.
- Selvage, Henry C., A.M., 2d Lieut-
enant 87th N. Y. Vols., Brevet
1st Lieutenant N. Y. Vols., 11
Cliff street.
- *Slade, Frederick Jarvis, A.B.
- Speir, Archibald W., B.S., LL.B.,
lawyer, 26 Broad street.
- *Starkey, David James, A.B.
- *Taylor, Alfred Henry, B.S.
- *Terry, David Dean, A.M., LL.B.
- *Thurston, George W., A.M., B.S.
- *Turner, John Hamilton, A.M.,
LL.B.
- Vienot, Emile, A.B., teacher, Ja-
maica, L. I.
- *Watson, George W., A.B.
- Weldon, John, Jr., A.B., book-
keeper, Newark, N. J. (P. O. box
165).
- West, William F., A.M., cashier, 64
Broadway.
- White, Cyrus Baker, B.S., broker.
- White, Jefferson H., A.M., mer-
chant, 265 Broadway.
- Wiley, William H., A.B., publisher,
53 East 10th street.
- Wilson, Thaddeus, A.M., lawyer.
- Wood, Joseph Simeon, A.M. LL.B.,
C.C., lawyer, Mt. Vernon, N. Y.
- Young, Nathaniel, A.B., broker.

1862.

- Adams, Augustus R., B.S., mer-
chant, 59 Liberty street.
- Aiton, William, A.B., lawyer, Elm-
wood, Iowa.
- Berryman, Wilson, A.M., clerk, 421
West 43d street.
- Boyer, Edward H., A.M., Principal
G. S. 87, 77th street and Amster-
dam avenue.
- Brekes, David, A.B., M.D., phy-
sician, 319 East 51st street.
- Brower, John Lovett, A.M., LL.B.,
C.C., lawyer, 145 Broadway.
- Cahill, Wm. Edward, A.B., teacher.
- Carley, Eldred A., A.M., LL.B.,
lawyer, 76 Chambers street.

* Deceased.

Dwight, Elihu, A.M., leather manufacturer, 141 Sixth avenue, Brooklyn.

*Fitch, Aug's Dennis, A.B.

Granberry, William H., A.B., broker, 18 New street.

Honner, John, B.S., real estate, 2368 Second avenue.

Hoyt, Harlow Mather, A.M., LL.B., C.C., R.R. president, East Orange, N. J.

Koch, Joseph, M.S., LL.B., lawyer, 5 Beekman street.

Lee, Arthur Malachi, A.M., LL.B., C.C., V. P. G. S. 22, Bloomfield, N. J.

Lord, Henry, A.B., 58 West 57th street.

McAfee, Knox, A.B., broker, Arlington, N. J.

*Michaelis, Otho Emil, A.M., M.S., Ph.D.

Needham, George G., A.M., M.D., B.H.M.Col., '65, Ph G., N.Y. Col-Pharm., '83, Member Amer. Acad. Medicine, physician, 218 East 19th street.

Newschafer, William H., A.M., LL.B., lawyer, 169 Broadway.

Page, James Seaver, B.S., merchant, 132 West 58th street.

Roberts, Charles, Jr., A.M., LL.B., C.C., professor, 61 East 73d street.

Roberts, Nathan B., A.B., importer, 10 Washington place.

*Sanger, Adolph Lewis, A.M., LL.B., C.C., '64. Presidential Elector 1884, President N. Y. Board of Aldermen 1885-86, Commissioner of Education 1888.

Slocum, William Edward, M.S., LL.B., C.C., '64, lawyer, Evergreen, Queens Co., N. Y.

*Snow, George W., Jr., A.B.

Spencer, Galen Carter, Jr., A.M., clerk.

Stoutenburg, William, A.B., weigher.

Strong, Richard Polk, A.B., Captain 4th Artillery, U. S. A., Fort McHenry, Baltimore, Md.

Stuart, Sidney H., M.S., LL.B., C.C., lawyer, 60 Broadway.

*Sutherland, John, A.B.

*Trippe, James Matthews, A.M.

Ward, Caleb Theophilus, A.M., clergyman, 167 West 49th street.

1863.

Baldwin, Truman H., A.M., LL.B., lawyer, 31 Nassau street.

Blauvelt, John H. K., A.M., lawyer, 140 Nassau street.

Blumenstiel, Alexander, A.M., lawyer, 120 Broadway.

Clark, George Crawford, A.B., banker, 51 Wall street.

Crosby, Henry Ashton, A.B., ass't secretary, 10 Wall street.

Dwight, John Elihu, A.B., merchant, 11 Old slip.

*Ferrier, Thomas, Jr., A.M.

Ferrier, Wm. Walker, A.M., clerk, 346 Broadway.

*Fisher, E. W., A.M., M.D., P. & S., '71.

Forbes, Arthur, Jr., M.S., teacher and clergyman, 80 Stockholm street, Brooklyn, N. Y.

*Frost, Robert Browne, B.S.

*Garrison, John Poole, Jr., A.M., M.D.

*Gore, Martin Alonzo, B.S.

Gumbleton, Henry A., A.B., LL.B., lawyer, 291 Broadway.

*Hartt, James Main, A.B.

*Hewitt, Alfred, A.M.

Hickok, George Benedict, A.M., M.D., physician, 309 East 14th st.
 Howland, H. Raymond, A.M., merchant, Buffalo, N. Y.
 Jenkins, Aug. Shotwell, B.S., 10 West 21st street.
 *Labagh, Isaac Meade, A.B.
 Lomia, Luiga, M.S., Captain 5th Artillery, U. S. A., Ft. Canby, Wash.
 *Marshall, James, A.M., clergyman.
 *Monell, Ambrose, A.M.
 *Morse, Gilbert Livingston, A.M.
 Mott, Richard Emory, A.B., bookkeeper, 307 West 47th street.
 *O'Rorke, John, A.B.
 Owen, Ed. Livingston, A.B., lawyer, 71 Wall street.
 Perham, Theodore Aug., A.B., bookkeeper, 19 Cliff street.
 Roberts, Wm. Henry, A.M., D.D., W. Univ. Penn., '84, LL.D., Miami Univ., '88, clergyman, 1334 Chestnut st., Philadelphia.
 Steele, Henry S., A.B., real estate. Died Nov. 14, 1894.
 Stephens, George Washington, A.M., LL.B., C.C., lawyer, 132 Nassau street.
 Thompson, Edw. Lush, B.S., agent.
 *Throckmorton, B.W., A.B.
 Van Vleck, Ab'm Kipp, A.B., teacher, 57 West 10th street.
 *Walker, James Henry, B.S.
 Wandell, Townsend, A.M., LL.B., C.C., lawyer, 51 Chambers street.
 Wood, George Warren, A.M., clergyman, Mackinaw City, Mich.
 *Zabriskie, Lemaire, A.B., M.D.

1864.

Bull, William Lanman, A.B., broker, 38 Broad street.
 *Burrell, Philip Ware, A.B.

Candler, James R., M.S., real estate, 209 East 34th street.
 *Clarkson, John Abbott, A.B.
 Coddington, Henry K., M.S., LL.B., lawyer, Passaic, N. J.
 Demarest, George Fran., B.S., lawyer, 32 Nassau street.
 Dohrman, Aug. Fred., A.M., merchant, 93 Wall street.
 Dougherty, Michael Angelo, A.B., clergyman, care J. H. Dougherty, 7 Nassau street.
 Dwyer, Michael J., M.S., V. P. G. S. 23, 66 East 127th street.
 Edmunson, H. J. N. P., M.S., teacher.
 Flammer, Chas. A., M.S., Member Assembly, '72, Police Justice, '73-'81, lawyer, 280 Broadway.
 Fuller, Luther Mason, B.S., merchant.
 Gimbernat, Teofilo, B.S., merchant, Sewaren, N. J.
 Glassford, John H. N., B.S., superintendent, 38 Jefferson avenue, Jersey City, N. J.
 Goebel, Lewis S., A.B., lawyer, 41 Park row.
 *Harsen, John Pease, A.M.
 Hartt, Clinton Jones, A.M., assistant actuary, 32 Nassau street.
 Herz, Cornelius, M.S., M.D., physician, Bournemount, England.
 Hoe, George Edgar, B.S., Trustee 16th Ward Schools, '88-'90 builder, 10 Liberty place.
 Hornthal, Lewis Marx, A.M., Trustee 19th Ward Schools, merchant, 670 Broadway.
 *Hudson, E. Darwin, Jr., A.M., M.D.
 Jacob, Ephraim Arnold, B.S., LL.B., C. C., '66, lawyer, 322 Broadway.
 *Kane, Jasper Theo., A.M.
 *King, William Henry, A.M., U. S. Com. for Northern Dist. N. Y.

* Deceased.

*Kingsland, Isaac Stanley, B.S.
 Lauterbach, Edward, A.M., lawyer,
 22 William street.
 Leventritt, David, A.B., LL.B.,
 N.Y.U., '84, lawyer, 280 Broad-
 way.
 Mackie, George Barclay, A.B., mer-
 chant.
 Man, Albon Platt, Jr., A.B., C.E.,
 assistant engineer, Ocala, Fla.
 Mayer, George Fred., A.M., audi-
 tor, Fair Haven, Wash.
 McAdam, Lucius, M.S., lawyer,
 140 Nassau street.
 Moore, Edgar Wells, A.B., cashier.
 *Oakley, Charles Edward, M.S.
 Patterson, Seely Ben., B.S., Member
 Am. Inst. Min. Eng., superintend-
 ent mines, Phillipsburg N. J.
 *Quackenbush, A., Jr., A.B.
 *Spingarn, Siegmund, A.B.
 *Ward, Fred. Butler, A.B.
 Warth, John Wm., Jr., A.M., M.D.,
 P. & S., '68, physician, 569 Madi-
 son street, Brooklyn.
 Westerfield, William, A.M., M.D.,
 Bell. Hosp. Med. Coll., '94, physi-
 cian, 109 West 123d street.
 *White, John Stewart, A.B.

1865.

Bronson, R. Donaldson, A.B., 16
 Exchange place.
 Clinch, Edward Sears, B.S., LL.B.,
 C.C., lawyer, 115 Broadway.
 *Crosby, John Player, A.B.
 Drach, William, A.M., 62 Forsyth
 street.
 Easton, Peter Zaccheus, A.M.,
 D.D., U.T.S., '70, missionary,
 Tabriz, Persia.
 Friedlander, Leonard, A.B., B.S.,
 merchant.

Gilman, Daniel Trimble, A.B., real
 estate, Sioux City, Iowa.
 Greene, Albert Terry, M.S., insur-
 ance, 32 Nassau street.
 Griffen, Benjamin, A.M., merchant,
 15 Laight street.
 Heiser, William Henry, A.B., hard-
 ware, 37 West 45th street.
 Hitchcock, Urban G., A.M., M.D.,
 P. & S., professor, 51 West 29th
 street.
 *Hunt, John Sandford, A.M.
 Knapp, John Augustus, A.M., E.M.,
 mining engineer.
 *Krieg, George, A.B.
 Lane, William Henry, A.B., mer-
 chant.
 Lyng, Jardine, B.S., lawyer, 120
 Broadway.
 Moore, William, B.S., clerk.
 Murray, William Maitland, A.M.,
 broker, 28 West 127th street.
 *Penfield, John Benjamin, A.M.
 Remsen, Ira, A.B., M.D., P. & S.,
 Ph.D., Göttingen, LL.D., C.C.,
 '93, professor, Johns Hopkins
 Univ., Balt., Md.
 Sampson, Francis Asbury, A.M.,
 LL.B., N.Y.U., lawyer, Sedalia,
 Mo.
 *Shach, Rudolph William, A.B.
 Sieberg, William Henry J., A.M.,
 Principal G. S. 43, 158 East 124th
 street.
 Smith, Charles Henry, M.S., LL.B.,
 C.C., lawyer, 320 Broadway.
 Stitt, John Henry, A.B., LL.B.,
 lawyer, 113 Fulton street.
 Stratford, Thomas, M.S., civil en-
 gineer, Department Pub. Works,
 245 West 52d-street.
 Stratford, Wm., A.M., M.D., Ph.D.,
 professor, 17 Lexington avenue.
 *Tracy, Charles Edward, A.M.,
 LL.B.

*Deceased.

Van Arsdale, Wm. H., A.M., E.M.,
C.C., vice president, 184 Lasalle
street, Chicago, Ill.

1866.

Bancker, Aldert Hutton, A.M., law-
yer, 38 Wall street.

Brinckerhoff, Charles H., A.M.,
actuary, 269 High street, New-
ark. N. J.

Brittain, Thomas Jesse, M.S., artist,
134th street, near Willis avenue.

Cahen, Solomon P., A.B., M.D.,
physician, 227 West 44th street.

Carr, Henry Snyder, A.M., tutor,
133 Manhattan avenue.

Casey, Joseph James, A.M., teacher,
G. S. 83, 42 East 112th street.

Cunningham, Richard J., B.S.,
clerk, 554 West 28th street.

Eurich, Frederick Ernst, A. B.,
mining engineer, Aurora, Ill.

Gordon, Read, B.S., manufacturer,
563 Greenwich street.

Hall, Charles Lemon, M.S., clergy-
man, Fort Berthold, N. D.

Hallock, James C., Jr., M.S., M.D.,
physician, 24 Seventh avenue,
Brooklyn.

*Hasson, John Augustin, A.B.

Hershfield, Abraham, A.M., law-
yer, 287 Broadway.

Hibbard, Charles Mould, A.M., life
insurance.

Korminsky, Henry, M.S., mer-
chant.

*Lee, Hugh, A.B.

*McAdam, Randolph, A.M.

*Newton, Henry, A.B., E.M., Ph.D.

Orvis, Henry Paine, B.S., banker,
Hotel Vendome, San José, Cal.

Saulnier, Kenton, B.S., merchant,
Bradford, Pa.

Saunders, Richard J., B.S., clerk.

*Scully, Thomas Francis, B.S.

*Smith, David Lowber, B.S., En-
gineer of Mines, Ecole des Mines,
Paris, 1869; Ass't Engineer De-
partment City Works, Brooklyn,
1870-'78; Ass't Engineer Depart-
ment Public Works, N. Y. City,
1878-'85; Deputy Commissioner
Public Works, 1885-'88; Commis-
sioner of Public Works, 1888-'89;
Collector of Assessments, Comp-
troller's Office, N. Y. City, 1890-'91;
Ass't Deputy Comptroller, 1891;
Consulting Engineer, City of
Bridgeport, Alabama; Member
Am. Soc. Civil Engineers.

Vanderbilt, Edgar, M.S., Principal
G. S. 11, 334 West 124th street.

Wotton, James A., Jr., A.M., mer-
chant, 170 Greene street.

1867.

Arkenburgh, Oliver M., A.B., mer-
chant, 78 Broad street.

*Blondel, Eugene, A.B., M.D.

Bushe, Eugene L., A.M., lawyer,
150 Broadway.

Chapman, Henry F., A.B., clerk,
500 Madison avenue.

Cumming, William J., A.B., clergy-
man, Yorktown, N. Y.

*Donaldson, James F., M.S.

Dudley, Edward B., A.B., merchant.

*Elliott, Selah H., A.B.

Farnsworth, James M., B.S., archi-
tect, 44 Broadway.

Farrell, Edward D., B.S., Ass't
Superintendent of Schools, 146
Grand street.

*Fellows, Louis, A.M., LL.B.

*Goldsmith, Eleazer, A.M.

Grau, Maurice H., A.M., theatrical
manager, Metropolitan Opera
House, New York.

* Deceased.

*Grunhut, Bernhard, A.M., M.D., physician.

*Hanks, Arthur M., A.M.

Harding, Henry C., M.S., LL.B., lawyer, 239 Broadway.

Hess, William C., M.S., Principal G. S. 19, 439 East 118th street.

Hindhaugh, Wm., Jr., A.M., Oswego, N. Y.

Hiscox, Charles E., A.M., clergyman, Greenport, Suffolk Co., N.Y.

*Ketchum, Daniel P., A.M.

Kimball, Charles O., A.B., dentist, 27 West 38th street.

Moore, William L., A.M., teacher, 127 Cumberland street, Brooklyn, N. Y.

Nutting, Lucius H., B.S., R.R. agent, 343 Broadway.

Patterson, Franklin B., B.S., advertising agent, 177 Broadway.

Ray, Martin H., A.M., Principal G. S. 51, 416 West 55th street.

Seaman, Samuel E., A.M., teller, 149 West 87th street.

Scott, Francis M., A.M., LL.B., lawyer, Counsel to the Corporation, Tryon row.

Simmons, William G., M.S., clergyman, Ninth avenue and 59th street.

*Smith, George W. P., A.B.

Stevenson, William S., A.B.

1868.

Angel, Frank Warner, A.B., lawyer, 108 Fulton street.

Blauvelt, Gerrit Franklin, A.B., M.D., P. & S., physician, Nyack, N. Y.

Bowker, Richard R., A.B., editor, 330 Pearl street.

Buckley, Lawrence C., A.B., Teacher G. S. 40, Ridgefield Park, N. J.

Chambers, Theo. Frel., A.B. clergyman, German Valley, N. J.

Chesebro, Luke Barber, A.B., assistant superintendent, Lima, O.

Crawford, Gilbert Holmes, A.B., LL.B., lawyer, 229 Broadway.

Cronly, John Edward, B.S., LL.B., lawyer, 5 Beekman street.

Cruse, Thomas K., A.M., M.D., Bell. Hosp. Med. Coll., physician, Wappinger Falls, N. Y.

Cunningham, C. Jerome, B.S., clerk, 554 West 28th street.

Delafield, Albert, A.B., LL.B., C.C., lawyer, 45 Cedar street.

Goldschmidt, S. A., A.M., E.M., C.C., '71; Ph.D., Emory Col., '75; Ass't Ohio Geol. Survey, '71; Fellow Chem. Soc., London; Fellow Am. Association Adv. Science, chemist, Columbia Chemical Works, Brooklyn, 43 Sedgwick avenue, Brooklyn.

Gregory, Benjamin C., A.B., Supt. Schools, Trenton, N. J.

*Hamlin, Frederick H., A.B.

*Howe, Walter M. S., LL.B.

Kelly, Stephen, A.B., M.D., physician, 3 East 73d street.

Kelly, William Henry, B.S., LL.B., lawyer, 337 East 15th street.

Knox, John M., A.B., LL.B., C.C., lawyer, 80 William street.

McDonald, Albert G., A.B., Supervisor Kings Co., '76-'80; Civil Service Com'r, Kings Co., '90; Corporation Counsel, City of Brooklyn, lawyer, 16 Court street, Brooklyn.

McMaster, Robert B., B.S., LL.B., lawyer, 48 Wall street.

Milliken, Peter, Jr., A.B., editor.

*Pitshke, William F., B.S., LL.B.

Pope, William Barent, A.B., clerk, 100 East 85th street.

* Deceased.

*Seaman, Richard Reece, A.B.
 Sim, John Robert, A.B., Ass't Professor Mathematics C. C. N. Y., 536 West 156th street.
 Stuart, Benjamin Hale, A.B., clerk, 244 N. Broadway, Baltimore, Md.
 Webb, Henry T., B.S., clerk.
 Woodford, Franklin E., B.S., lawyer, 291 Broadway.
 Wright, Frederick A., A.B., M.D., physician, Glen Cove, L. I.

1869.

Allen, Sturges, B.S., B.D., G.T.S., clergyman, Westminster, Md.
 Baker, George A., Jr., A.B., LL.B., lawyer, 28 Spruce street.
 Baldwin, Harris Judson, A.B., civil engineer, Hudson, Wis.
 *Burchard, Thomas H., A. M., M.D.
 Chalmers, William I., A.B., clergyman, Riverhead, N. Y.
 Chesebro, George, A.B., ass't sec'y and comptroller, 26 Broadway.
 Claflin, John, A.B., merchant, 140 Church street.
 Clark, James Oliver, A.B., LL.B., lawyer, 20 Nassau street.
 *Clark, William Henry, A.M., LL.B.
 Fowler, George B., A.B., M.D., P. & S., physician, 56 West 50th street.
 Geyer, William Ernst, A.B., B.S., Ph.D., professor, Stevens Institute, Hoboken, N. J.
 Gratacap, Louis P., A.M., Ph.B., C.C., Ass't Curator Am. Mus. Nat. Hist., Central Park.
 *Hanekamp, John H., B.S.
 Hiscox, Edwin Thomas, A.B., clergyman, Saratoga Springs, N. Y.
 Hiscox, Henry Orne, A.M., clergyman, Malden, Mass.

Hoöpe, Anthony Joy, A.B.
 Jakobi, Alphonse A., B.S., A.M., LL.B., C.C., lawyer, 16 Church street.
 Julien, Matthew C., A.B., clergyman, New Bedford, Mass.
 *Kelly, Peter Joseph, A.B., LL.B.
 Lay, Geo. C., Jr., A.M., LL.B., C.C., lawyer, 20 Nassau street.
 McGuckin, Wm. G., A.B., LL.B., C.C., Asst. Professor History C. C. N. Y., 176 West 105th street.
 Mackean, James, B.S., teacher, 91st street, near Fourth avenue.
 Maconnell, James M., B.S., manufacturer, Morrisania, N. Y.
 Maguire, John T., B.S., Principal G. S. 35, 60 West 13th street.
 *Matthews, Edward Loree, Jr., A.B.
 Miller, Theodore F. A.B., LL.B., lawyer, 229 Broadway.
 Mottet, Henry, A.B., clergyman, 47 West 20th street.
 *Nehrbas, Chas. J., B.S., LL.B.
 O'Donnell, Wm. H., B.S., journalist, 120 Nassau street.
 Patterson, Henry Turner, A.B., merchant, 146-150 Centre street.
 Ritterband, D. S., A.B., LL.B., lawyer, 206 Broadway.
 Rush, Thomas J., B.S., lawyer, 49 Chambers street.
 Sheffield, James Carey, A.M., LL.B., lawyer, Lyons, N. Y.
 Shepard, Edward Morse, A.B., Com'r Civ. Service, Brooklyn, '83-'85; Chairman Civ. Serv. Com., Brooklyn, '88-'90; N.Y. State Forestry Com'r, '84-'85; author of (1) "Life of Martin Van Buren," Statesmen Series; (2) "Memoirs of Dugdale"; Member Cobden Club, England, lawyer, 111 Broadway.

* Deceased.

Teas, John, A.M., Ph.D., D.D., Univ. Omaha, '90, clergyman, 3806 Hamilton street, Philadelphia, Pa.

Townley, John Francis, B.S., P. G. S. 12, 109 East 114th street.

Tulley, Marcus Edward, B.S., M.D., physician, 167 West 130th street.

Tytler, Geo. Edwin, B.S., M.D., physician, 113 West 126th street.

Wheaton, John Roland, A.B., Mt. Vernon, N. Y.

Wilds, Howard Payson, A. B., LL.B., C.C., lawyer, Dep'y Commissioner of Public Works, 150 Nassau street.

Wing, Frank Luman, A.B., piano manufacturer, 245 Broadway.

*Wray, Joseph Bowman, B.S.

1870.

Abbe, Robert, A.B., M.D., P. & S., physician, 11 West 50th street.

Bourquin, Louis, B.S.

Cardozo, M.H., B.S., LL.B., N.Y.U., lawyer, 120 Broadway.

Clark, Nathan, Jr., B.S. caterer, 22 West 23d street.

Clay, George Everson, B.S., real estate and insurance, 5 Jackson avenue, Long Island City, N. Y.

Crowell, John Beverly, B.S., M.D., physician.

Doremus, Charles Avery, A.M., M.D., Ph.D., Asst. Professor, 59 West 51st street.

Furey, Joseph George, A.B., teacher, G. S. 40, 79 Keap street. Brooklyn.

*Halstead, Isaac Coutant, B.S.

Huxley, Thomas Charles, B.S., lawyer, Centreville, Alameda Co., Cal.

Innes, John Henry, B.S., LL.B. lawyer.

Jackson, Samuel M., A.M., LL.D., Wash. and Lee Univ., Va.; D.D., N. Y. U., clergyman, 14 East 31st street.

Jennings, Arthur Bates, A.B., architect, 239 Broadway.

Jessup, Charles B., A.B., lawyer, 243 Broadway.

Jordan, L. C. Levin, B.S., stenographer, 128 West 61st street.

Kelsey, Charles Boyd, A.B., M.D., Prof. Diseases of Rectum in the University of Vermont, 1890; Prof. N. Y. Post-Graduate Medical School and Hospital, 1890-91; Member N. Y. Acad. Medicine, Member N. Y. Co. Medical Soc., Member N. Y. Clinical Soc., physician, 25 Madison avenue.

Kinch, Charles Augustus, A.B., M.D., P. & S., physician, 285 West 70th street.

*Ledwith, James J., B.S.

*Lloyd, David Demarest, A.B.

Lyon, Addison Jesse, A.B., LL.B., teacher.

McAdam, Graham, A.M., lawyer, 308 West 20th street.

McBride, Charles Clinton, A.B., editor, Elizabeth, N. J.

Montgomery, John H., A.B., LL.B., lawyer, 32 Nassau street.

Nettleton, Charles Hine, B.S., manager Gas Works, Birmingham, Conn.

Smidt, Allan Lee, B.S., lawyer, Havemeyer Building, New York City.

Underhill, Fred. Lacy, A.B., engineer, 43 Lafayette place.

Waterbury, John Isaac, B.S., banker, Wall and Nassau streets.

White, Thomas R., B.S., LL.B., lawyer, 2 Wall street.

* Deceased.

Whitley, Jonas Ezra, B.S., journalist.
Wilcox, William Henry, B.S., clerk.

1871.

Acton, John Whittaker, B.S., cashier, 171 Duane street.
Alker, Alphonse Henry, B.S., LL.B., C.C., lawyer, 11 Pine street.
Anderson, Frank, A.B., M.D., P. & S., physician, Surgeon, U. S. N., Washington, D. C.
Bernhardt, Joseph, B.S., teacher, 418 East 84th street.
*Blun, Abraham, B.S., C.E.
Bontecou, Daniel, B.S., chief engineer, Kansas City, Fort Scott & Memphis R. R., Kansas City.
Cardozo, Daniel Henry, B.S., electrotyper, 220 William street.
Dougherty, J. Hampden, A.B., LL.B., C.C., lawyer, 7 Nassau street.
Edwards, W. DeForest, A.B., Ph.B., LL.B., lawyer, 111 Broadway.
*Ford, Thomas J. I., A.B., M.D.
Frank, Julius Joseph, A.M., B.S., LL.B., C.C., lawyer, 27 Pine street.
Frazee, William Youle, B.S., merchant, 601 West 33d street.
Geehr, Thomas Le Van, B.S., bookkeeper, 56 Middagh street, Brooklyn.
*Haber, Henry Isaac, M.S.
Heineman, H. Newton, B.S., M.D., physician, 60 West 56th street.
Jefferis, Charles Torbert, A.B., clerk.
Livingston, Solomon B., A.B., LL.B., lawyer, 93 Nassau street.
Lydecker, Charles E., B.S., LL.B., lawyer, 120 Broadway.
*Muller, Edwin, B.S.

Murray, Robert Alexander, B.S., M.D., N. Y. U., physician, 112 West 80th street.
Rosemon, Cornelius P., B.S., banker, 33 Wall street.
Scott, William Seaman, A.B., assistant engineer, Colorado.
*Smith, Francis Asbury, A.B.
Smith, Herbert Edgar, A.B., manufacturer, Middletown, Conn.
*Stein, Charles, A.B.
Stern, Abraham, B.S., LL.B., lawyer, 122 Bowery.
Summerbell, Martyn, A.M., D.D., Union Christian Col., '89; Ph.D., N. Y. U., '89, clergyman, Lewiston, Me.
*Tully, Charles H., A.B.
*Wood, W. Spencer, A.B.
Young, Daniel Kissam, B.S., merchant, 559 Carlton avenue, Brooklyn.
Zemansky, Abm. Phillip, B.S., M.D., physician, 21 Mercer street.

1872.

Abarbanell, Jacob, A.B., B.S., LL.B., lawyer, 24 Vandewater street.
Banks, Sheppard, A.B., LL.B., lawyer, 51 Alexander avenue.
Beach, Arthur, A.B., M.D., physician, 300 Sumner avenue, Brooklyn.
Beach, Samuel Jackson, A.M., B.D., Oberlin, clergyman, Cedar Falls, Iowa.
Birnbaum, Oscar, B.S., teacher, G. S. 49, East 37th street, near Second*avenue.
Blish, George Henry, A.B., banking, 247 Broadway.
*Cocks, David Clark, A.M., M.D.

* Deceased.

Comstock, Fr. Harmon, A.B., LL.B., C.C., lawyer, 36 Wall street.

Cooper, Harry Dodge, B.S., book-keeper, 141 West 73d street.

Donald, James Mackie, B.S., banker, 11 Nassau street.

Falk, Benjamin Joseph, B.S., photographer, 25 West 24th street.

Fruitnight, John Henry, A.M., M.D., B.H.M.C., '75; Member Am. Acad. Medicine, Member N. Y. Acad. Medicine, Member N. Y. Co. Medical Soc., 2d Vice Pres't Alumni of B.H.M.C., physician, 161 West 57th street.

Frye, Jed., B.S., merchant, 47 Water street.

Greenbaum, Samuel, A.M., LL.B., lawyer, 170 Broadway.

Gulick, John Callbreath, B.S., LL.D., C.C., lawyer, 132 Nassau street.

Hochheimer, Emanuel, A.M., B.S., M.D., physician, 207 East 57th street.

Howe, William Burdge, B.S., merchant, 301 West 17th street.

Keck, Frank, B.S., LL.B., C.C., lawyer, 120 Broadway.

Lowenthal, Henry, A.M., LL.B., journalist, "N. Y. Times" office.

Malone, James Eugene, A.B., knit goods, 260 Church street.

McMaster, John Beach, A.M., C.E., Ph.D., professor, University of Pennsylvania, Phila., author of "History of the People of the United States."

Meeks, Hamilton Victor, A.H., lumber, 30 Vesey street.

Putzel, Leopold, A.B., B.S., M.D., Bell. Hosp. Med. Coll., physician, 13 East 57th street.

Ruston William Otis, A.B., D.D., Lenox Coll., '86; Pres't Bd. Trus-

tees Lenox Coll., '88; Director German Pres. Theol. Sem. of Northwest, '90; clergyman, Dubuque, Iowa.

Salomon, David H., B.S., LL.B., lawyer, 338 Broadway.

Schermerhorn, John E., B.S., LL.B., lawyer, 62 Broadway.

*Shipley, Eddy, B.S.

Stoiber, Adolphus Henry, A.M., LL.B., C.C., lawyer, 1 Nassau street.

Strauss, Seligman J., A.M., B.S., lawyer, Wilkesbarre, Pa.

Thornell, Henry Lloyd, A.B., banking, 45 Wall street.

Van Kleeck, Henry, A.M., M.S., LL.B., C.C., banking, Denver, Col.

Van Santvoord, Richard, A.B., M.D., B.H.M.C., '75; visiting physician to Randall's Isl. Hosp., '81; Member N. Y. Acad. Medicine, Am. Acad. Medicine, N. Y. Co. Med. Soc., N. Y. Pathological Soc., physician, 106 West 122d street.

*Woodward, James L., A.B., LL.B.

1873.

Adler, Louis, B.S., LL.B., lawyer, 22 William street.

Bach, Albert, A.B., LL.B., C.C., lawyer, 7 Warren street.

Battell, John Sherman, A.B., B.S., insurance, 119 Broadway.

Church, Wm. Sylvester, B.S., broker, Port Chester, N. Y.

Clapp, K. Leffingwell, B.S., life insurance, 66 Broadway.

Colie, Edward Martin, A.B., lawyer, 776 Broad street, Newark, N. J.

Davison, David Henry, B.S., M.D., physician, 171 East 78th street.

* Deceased.

Fagnani, Charles P., A.B., B.S., LL.B., C.C., clergyman, U.T.S., 700 Park avenue.

Fisher, Charles Willis, B.S., teacher.

Friedberg, William B., B.S., LL.B., C.C., '77, principal, 13-17 East 125th street.

Gregory, Christopher, A.B., teacher, Long Branch City, N. J.

Huber, Francis, B.S., M.D., physician, 209 East 17th street.

Huss, George Martin, B.S., architect, 1285 Broadway.

Jarvis, Welcome Smith, A.B., LL.B., N. Y. U., lawyer, 50 Wall street.

Jennings, E. B., A.B., civil engineer, Morris avenue and 173d street.

Jones, L. Eugene, A.B., journalist, 23 Union square.

Kohn, Solomon, B.S., LL.B., C.C., Ph.B., lawyer, 203 Broadway.

Leipziger, Henry M., A.M., B.S., LL.B., Ph.D., C.C., Ass't Superintendent Shools, 146 Grand street.

Lewinson, Benno, M.S., LL.B., C.C., lawyer, 5 Beekman street.

Lyons, Fred. Augustus, A.M., M.D., physician, 50 East 63d street.

*Muhlfeld, Henry, A.B., M.D.

Muller, Herman J., A.B., B.S., manufacturer, 224 West 26th street.

*Murray, John, A.B., B.S., M.D.

Oppenheimer, Isaac, A.B., B.S., M.D., physician, 105½ East 55th street.

Rabock, Wenzel Albert, B.S., A.M., musician, 425 West 34th street.

Rullman, Louis Henry, B.S., civil engineer, 213 Grand street.

Salomon, Abraham, B.S., LL.B., lawyer, 338 Broadway.

Schöening, Michael E. von, B.S., 119 East 92d street.

Tift, Henry Neville, M S, LL B, C C, lawyer, 11 William street.

Walther, John Augustus, B S, M.D., physician, 212 East 123d street.

Wray, Edward Marshall, B S.

1874.

Baker, George McC., A.B., LL.B., lawyer, 18 Wall street.

Baumgarten, Maurice H., B.S., merchant, 24 White street.

Busche, Thomas W., A.B., M.D., surgeon, 108 Rivington street.

Carlin, Wayland, A.B., manufacturer, 126 West 23d street.

Cohen, Adolph, B.S., LL.B., C.C., lawyer, 319 Broadway.

Demarest, Walter, A.M., M.D., physician, 170 Water street.

Dix, Warren R., A.M., LL.B., C.C., lawyer, 160 Broadway.

Eastman, Joseph, B.S., LL.B., 1 East 72d street.

Fromme, Isaac, A.B., LL.B., C.C., lawyer, 287 Broadway.

Goldbacher, Joseph N., B.S., LL.B., C.C., lawyer, 229 Broadway.

Gutgsell, Eugene F. J., B.S., Principal G. S. 22, cor. Stanton and Sheriff streets.

Gutweiler, Ernst, clergyman, Hicksville, N. Y.

Ihlseng, Axel O., B.S., C.E., E.M., C.C., mining engineer, Carthage, Mo.

Kahn, Samuel, B.S., M.D., P. & S., physician, San Francisco, Cal.

Lachman, Samson, A.B., LL.B., C.C., judge, 35 Nassau street.

Lyons, Wallace F., A.B., Principal G. S. 91, 217 West 131st street.

* Deceased.

Man, Henry H., A.B., LL.B., C.C., lawyer, 76 Wall street.

*McCreery, Charles A., A.B.

Meyer, Henry, M.S., LL.B., C.C., lawyer, 291 Broadway.

Reighley, Frederick G., A.B., clerk, 120 Broadway.

Richard, Charles, B.S., M.D., Captain and Ass't Surgeon U. S. A., N. Y. Shipping List, 59 William street.

Rodenbach, William T., B.S., manufacturer, Naugatuck, Conn.

*Rush, Charles W., B.S., M.D., physician.

Shack, Ferdinand, A.M., M.S., LL.B., C.C., lawyer, 56 Wall street.

Sickles, Ivin, M.S., M.D., Ass't Prof. Nat. History, C. C. N. Y., and Ass't Prof. Chem. and Physics, Medical Department, N. Y. U., 17 Lexington avenue.

Stoddard, William, A.B., LL.B., lawyer, 150 Fifth avenue.

*Swart, Merton G., A.B., LL.B.

Sweezy, Richard L., A.B., lawyer, 62 William street.

Underwood, William J., Jr., M.S., LL.B., C.C., lawyer, 170 Broadway.

Van Pelt, Daniel, A.M., B.S., clergyman, 80 Remsen street, Astoria.

Weeks, Thomas W., A.B., treasurer, P. O. Box 785, N. Y. City.

Williams, Richard P., B.S., clergyman, 219 C street, N. W., Washington, D. C.

Wilson, Franklin S., A.B., laundry, 26 West 25th street.

1875.

Alexander, Peter, B.S., LL.B., lawyer, 234 Broadway.

Black, John V., A.B., lithographer, 93 William street.

Burk, Howard R., B.S., oils.

Crawford, Hanford, B.S., dry goods, 801 Broadway.

Cristy, Albert B., A.M., B.D., clergyman, Cleveland, O.

Fisher, Edward D., A.B., M.D., physician, 42 West 45th street.

Frey, George, B.S., clerk.

Goldsmith, Abm., A.B., LL.B., C.C., lawyer, 154 Nassau street.

Greene, William F., A.B., M.D., physician.

Hanaway, Samuel, B.S., tutor, C.C. N.Y., 17 Lexington avenue.

Harper, James T., A.B., publisher, Franklin square.

Jenkins, Henry E., B.S., LL.B., teacher, Bronxville, N. Y.

Kahrs, Henry, B.S., printer, 500 Third avenue.

Larremore, Wilbur, A.B., LL.B., C.C., '77, lawyer, 32 Nassau street

Levy, Henry, A.B., M.D., N. Y. U., physician, 214 West 124th street.

Mahony, Daniel P. H., B.S., LL.B., lawyer, 132 Nassau street.

McAdam, George H., A.B., lawyer, 121 Nassau street.

McCreery, James C., A.B., merchant, 805 Broadway.

McNary, Spencer G., A.B., LL.B., lawyer, 280 Broadway.

Messiter, George N., B.S., LL.B., lawyer, 4 Warren street.

*Purdy, Roe, A.B.

Putzel, Gibson, A.B., LL.B., lawyer, 320 Broadway.

Sahlinger, Israel, B.S., cashier.

Spencer, Nelson Stanley, A.B., lawyer, 31 Nassau street.

Steneck, John R., A.B., iron manufacturer.

Townsend, Curtis McD., A.B., military engineer, 106 Madison street, Memphis, Tenn.
 Tuthill, William B., A.M., architect, 287 Fourth avenue.
 Ullman, Joseph, A.M., LL.B., C.C., lawyer, 203 Broadway.
 Weil, Isaac, B.S., M.D., P. & S. merchant, 121 Mercer street.
 Werner, Louis, B.S., LL.B., C.C., lawyer, 15 Wall street.
 Witherstine, C. S., M.S., M.D., physician, 5143 Germantown avenue, Philadelphia, Pa.
 Wolf, Simpson, A.M., LL.B., C.C., lawyer, 203 Broadway.

1876.

*Altmayer, Samson O., A.B.
 Baldwin, Arthur P., A.B., teacher, 57 East 125th street.
 *Blauvelt, Henry C., A.B., M.D.
 Clearwater, Charles Knapp, B.S., clergyman, Newtown, L. I., N. Y.
 Davis, Vernon M., A.M., LL.B., C.C., '79; Assistant District Attorney 1885 to 1896, lawyer, 220 Broadway.
 D'Utassy, Leo L., B.S., D. L. & W. R. R., 26 Exchange Place.
 Frambach, Frederick, Jr., A.B., lawyer, 1 Montgomery street, Jersey City, N. J.
 Frank, Herman, A.B., LL.B., lawyer.
 Goodfriend, Simon, B.S.
 Henderson, Edward C., B.S., LL.B., C.C., lawyer, 59 Wall street.
 Henry, Charles I., A.B., merchant, 48 Exchange Place.
 Hollerith, George C., B.S., civil engineer, 55 Liberty street.
 Honig, Joseph, A.B., insurance, 170 Broadway.

*Hopper, John W., A.B., M.D.
 Husted, Singleton, A.B., M.D., physician.
 Kay, William A., B.S., journalist, Ozone Park, L. I.
 Kenyon, William H., A.M., LL.B., C.C., lawyer, 38 Park Row.
 Klein, Philip H., Jr., A.B., sec'y and treas., 572 First avenue.
 Kraus, Max W., B.S., merchant, 657 Broadway.
 *Lauterbach, Henry, B.S., LL.B.
 *McGowan, James Joseph, B.S.
 *Mahler, Louis, A.B.
 Maves, Fernando, A.B.
 Mead, William Herbert, B.S., clerk.
 Merckle, Henry, A.B., LL.B., C.C., lawyer, 149 Broadway.
 Minrath, Ferdinand R., A.B., LL.B., lawyer, 22 William street.
 Ormsby, Waterman L., B.S., stenographer, room 25, Court House, Brooklyn.
 Palmer, Benjamin W., A.M., M.D., physician.
 Park, Rufus H., B.S., clerk, 128 West 11th street.
 Powell, William A., A.B., D.D., Ohio Univ., clergyman, Athens, Ohio.
 Putzel, Charles, A.B., LL.B., C.C., lawyer, 253 Broadway.
 Rafel, Henry S., A.B., LL.B., M.D., lawyer, 106 West 87th street.
 Ramsdell, Edwin B., A.B., M.D., N. Y. U., physician, 581 Lexington avenue.
 Rapp, Maurice, A.B., LL.B., C.C., lawyer, 167 Broadway.
 Rhodes, John C., B.S., LL.B., lawyer.
 Rothschild, Marks, B.S., manufacturer, 107 Duane street.
 Smyth, George B., A.B., B.D., President Anglo-Chinese College, Foochow, China.

* Deceased.

Stine, Marcus, B.S., Ph.D., LL.B.,
lawyer, 25 Pine street.
Strouse, Edward, A.B., LL.B.,
C.C., malster, 15 Whitehall street.
Townsend, Frederick M., B.S.,
M.D., P. & S., physician, 42 West
21st street.
Ullman, Nathan, A.B., president,
758 Broadway.
Vogel, Henry W., B.S., civil en-
gineer, 27 Chambers street.
West, Albert F., B.S., LL.B.,
lawyer, 132 Nassau street.
Wheaton, Joseph S., B.S., mana-
ger.

1877.

Barratt, John Arthur, A.M.,
LL.B., C.C., '80, lawyer, 11 Pine
street.
Birkins, Ernest Reeve, A.M., M.D.,
N.Y.U., '83, teacher and physi-
cian, 118 West 131st street.
Brill, Nathan E., A.M., M.D., N.
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avenue.
Bunzl, Victor, B.S., tobacco, 126
Water street.
Burchard, Lewis Sayre, A.B.,
LL.B., C.C., lawyer, 6 Wall
street.
Carvalho, Solomon Solis, A.B.,
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*Clark, Edward Adoniram, A.B.
Clarkson, John Van Boskerck, A.B.,
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Davidson, William Cyrus, A.B.,
LL.B., lawyer, 280 Broadway.
Dowd, Joseph, B.S., merchant, 30
West 52d street.
Euring, George Anthony, B.S.,
LL.B., lawyer, 123 Second street.
Gilbert, Frank Henry, A.B., mer-
chant, 516 Broadway.

Hauff, William Charles, A.B.,
LL.B., C.C., lawyer, 41 Park
Row.
Hayes, Richard Jerome, B.S.
Henry, Howard Herrick, A.B., 214
Broadway.
Hoag, Sidney Willet, B.S., civil
engineer, Dept. of Docks, Pier
A, N. R.
Huber, Emil Andrew, A.B., mu-
sician, Steinway Hall.
Hunt, Leigh Harrison, M.S., M.D.,
N. Y. U., asst. professor des.
geom. and drawing, C. C. N. Y.,
physician, 17 Lexington avenue.
Hunter, David M., A.B., clergy-
man, Salem, Washington Co.,
N. Y.
Loth, Bernard, B.S., LL.B., C.C.,
silk manufacturer, 150th street
and Amsterdam avenue.
Luby, James Patrick Kenyon, A.B.,
journalist, 29 Astor Place, Jersey
City.
Mack, Hugo S., B.S., LL.B., lawyer,
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Man, Alrick Hubbel, A.B., LL.B.,
C.C., lawyer, 56 Wall street.
Marx, Louis B., B.S., LL.B., law-
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McCutcheon, Robert H., B.S., civil
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Moore, Eugene Patrick, A.B., Cus-
tom House, 325 East 12th street.
Moritz, Charles F., A.B., merchant,
Montgomery, Ala.
*Nehrbas, Jacob, B.S., M.D., P. &
S., '80.
*Neumer, Emil, B.S., M.D.
Protheroe, Charles Coffin, B.S.,
LL.B., lawyer, 56 Wall street.
*Ranney, Walter Lafayette, A.B.,
M.D.
Rau, Henry Marcellus, A.B.,
Ph.D., chemist.

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Romaine, De Witt Clinton, B.S., M.D., P. & S., physician, 473 Hudson street.

Shepard, Charles Seymour, A.B., 172 Congress street, Brooklyn.

Shipman, William Henry, A.M., B.D., Drew Theol. Sem., clergyman, Coin, Iowa.

Silverstone, Julius, B.S., lawyer, Portland, Oregon.

*Smith, James Albert, A.B.

Sommers, Louis, B.S., LL.B., teacher, Leadville, Col.

Starr, William Hoffmire, B.S., engineer.

Stearns, Kent K., A.B., lawyer, 1178 Elizabeth avenue, Elizabeth, N. J.

Tift, Irving Howard, B.S., LL.B., C.C., lawyer, 277 Broadway.

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Weed, Edgar T., A.B., M.D., physician, 246 Lenox avenue.

White, William Storm, B.S., M.D., physician, 6 East 34th street.

Wilkie, William James, A.M., clergyman and teacher.

Williams, George Nelson, A.B., LL.B., merchant, Avenue A and 68th street.

Wilson, Charles Howard, A.B., teacher, Newton Centre, Mass.

1878.

*Ansbacher, Maurice Eger, A.B.

Ascher, Leopold, A.B., LL.B., lawyer.

Berg, Henry W., A.B., M.D., P. & S., '81, Member N. Y. Acad. Medicine, physician, 245 7th street.

Bernstein, Alexander, A.B., LL.B., lawyer, Portland, Ore.

Boehme, Herman Christop'r, A.B., teacher, 125 West 54th street.

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Carey, Robert Edward, B.S., merchant, 305 West 55th street.

Cohen, Eugene Yancey, A.B., A.B., H.U., architect, Hartford Bl'd'g, Union Square.

Cook, Peter W., B.S., LL.B., C.C., lawyer, 49 Chambers street.

De Jonge, John Christian, B.S., clerk, 100 Avenue B.

Devlin, Robert John, B.S., M.D., physician, 156 West 13th street.

Dobbie, Thomas William, B.S., 544 West 43d street.

Doring, John Fred'k, A.B., G. Ph., pharmacist, 110 East 47th street.

Fischel, Eugene, B.S., LL.B., C.C., lawyer, 61 Park Row.

Fisher, Henry, A.B., manufacturer, 359 Produce Exchange.

*Fruitnight, William, A.B., M.D.

Gilon, William Joseph, B.S., 4 Abington Square.

Gottlieb, Nathaniel I., B.S.

Gottshall, Edward, A.B., 102 Lewis street.

Greenebaum, Emil, B.S., fruit canner, 1914 Pacific avenue, San Francisco.

Gross, Magnus, Jr., B.S., teacher, 541 East 86th street.

*Hardy, George Edward, A.M.

Hooper, Benjamin Franklin, B.S., president, 63 Centre street.

Hotaling, George Preston, A.B., LL.B., C.C., lawyer, 59 Wall street.

Jaretzki, Alfred, A.M., A.B., H.U., LL.B., C.C., lawyer, 45 Wall street.

Kenyon, Alan Douglas, A.B., LL.B., C.C., lawyer, 38 Park Row.

* Deceased.

Koplik, Henry, A.B., M.D., physician, 175 East 70th street.
 Krotel, Paul, A.B., LL.B., lawyer.
 *Leggat, Walter Romaine, A.B., LL.B., C.C.
 Leubuscher, Frederick Cyrus, A.B., LL.B., C.C., lawyer, 280 Broadway.
 Lewinson, Samuel, B.S., merchant, 26 East Houston street.
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 Manne, Henry, B.S., LL.B., C.C., lawyer, 203 Montague street, Brooklyn.
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 Meyer, Julian Herman, B.S., traveler, 195 Franklin street.
 Morgenthau, Julius C., A.B., A.M., Ph.D., Leipzig, merchant, 166 State street, Chicago.
 Nordlinger, Abraham, A.B., LL.B., lawyer, 167 Broadway.
 O'Reilly, Philip Francis, B.S., student, medicine.
 Pabst, William, B.S., clerk, 136 East 43d street.
 Pitkin, Lucius, A.B., Ph.B., chemist, 434 Madison avenue.
 Shumway, Albert, Jr., A.B., merchant, 353 West 56th street.
 Smith, Daniel, Jr., A.B., M.D., physician.
 Smith, William Wickham, B.S., LL.B., C.C., lawyer, 46 Exchange Place.
 Stitt, James Alexander, A.B., lawyer, 8 Pine street.
 Tunis, John, A.B., B.D., H.U., clergyman, 135 Lexington avenue.
 Weiss, Julius, A.B., M.D., physician, 329 West 28th street.
 Williams, Francis Smith, B.S., A.B., H. U., real estate, 70 Broadway.

Wood, John Walter, A.M., M.D. P. & S., physician, Port Richmond, S. I.

1879.

Casper, Henry, A.B., physician, 228 East Broadway.
 Chambers, John F., A.B., LL.B., lawyer, 55 Liberty street.
 Cohn, Felix, A.B., physician, 123 East 59th street.
 Dahl, Charles, B.S., LL.B., merchant, 523 Fifth street.
 *Dietz, William Daniel, B.S., M.D.
 Dinkelspiel, Leo, A.B., M.D., physician, 61 West 54th street.
 *Dougall, Robert Austin, B.S.
 Dudensing, Richard, Jr., A.B., LL.B., lawyer, 173 Broadway.
 Erskine, Charles Wesley, A.B., silk manufacturer, 476 Broome street.
 Francis, Howard James, A.B., bank clerk, 435 Madison street, Brooklyn.
 Fribourg, Theo. Louis Henry, B.S., propr. Boulder Min. Springs, Denver, Col.
 Fripp, Joseph Aloysius, A.B., teacher, 64 East 111th street.
 Gerstlé, Edward Gustavus, A.B., merchant, 451 Broadway.
 Gray, Joseph Francis, B.S., M.D., P. & S., A.M., St. Francis Xav., physician, 326 West 31st street.
 Guilfooy, William Henry, B.S., M.D., B.H.M.C., physician, Health Dept., 122 West 84th street.
 Herman, Henry, A.B., M.D., B.H. M.C., physician, 627 Lexington avenue.
 Herrmann, David Uriah, B.S. banker, 70 Broadway.
 *King, James Foster, A.B.

* Deceased.

Korn, Max Saloshinsky, A.B., LL.B., C.C., '81, lawyer, 261 Broadway and 138 E. 47th street.
 *Leary, Cornelius John, B.S.
 Legras, Gustave, B.S., Asst. Prof. Math., C. C. N. Y., Madison avenue and 124th street.
 Levy, Nathan Max, B.S., journalist, 115 East 111th street.
 Mathews, Frederick, B.S., M.D., P. & S., physician, 114 Avenue C.
 McFarland, John Francis, B.S., LL.B., C. C., '87, lawyer, 186 Remsen street, Brooklyn.
 *McWilliam, John Smith, A.B., LL.B.
 Merington, Richard W. E., A.B., teacher, 141st street and Grand Boulevard.
 Miller, Henry F., A.M., LL.B., C.C., lawyer, 44 Pine street.
 Mischlich, Adolph R., B.S., teacher, 42 First street.
 *Mulford, William, A.F.P., A.B.
 Murgatroyd, Edwin Robert, A.M., clergyman, New Vernon, N. J.
 Perkins, George W., A.B., LL.B., lawyer, 154 Nassau street.
 Perrin, Ernest Noël, A.B., C.C.N.Y. & H.U., LL.B., C.C., '85, tutor, 111 West 124th street.
 Pollitzer, Sigismund, A.M., M.D., P. & S., physician, 10 East 60th street.
 Powers, Fred. Alden, B.S.
 Price, Lewis, B.S., M.D., physician, 313 East 4th street.
 Roth, Julius August, A.B., M.D., B.H.M.C., physician, 308 East 79th street.
 Schachtel, Michael, Jr., B.S., printer, 39 West 14th street.
 Schutz, Bernard, B.S.
 Scheur, Ralph, A.B., merchant, 58 & 60 Leonard street.

Scott, John Frederick, A.B., clergyman, Flemington, N. J.
 Shumway, Willard A., E.M., A.M., U. S. Geological Survey, 351 West 56th street.
 Spillinger, Jacob, B.S., M.D., physician, 183 East 116th street.
 Stoddart, Allen Montgomery, A.B., lawyer, 5 Dey street.
 Struse, Otto Frederick, B.S., LL.B., lawyer, 99 Broadway, Brooklyn.
 Turner, William Lemon, A.B., LL.B., C.C., '81, lawyer, Ass't Counsel to the Corporation, Tryon Row.
 Van Dyck, Alexander Scott, A.B., clergyman, Amoy, China, care of Sec'y B'd For. Missions, Rev. H. N. Cobb, 25 East 22d street.
 Weeks, Bartow Sumter, A.B., LL.B., C.C., '83, lawyer, 260 West 57th street.
 Weiss, George Conrad, A.B., M.D., physician, Mount Vernon, N. Y.
 Wellman, Edward Homer, Ph.B., C.C.
 Wittmack, Charles August, M.S., Ph.D., Univ. of Munich, 79 West 87th street.
 Youry, William Henry, A.B.

1880.

Berle, Adolph William, B.S., M.D., physician, 120 7th street.
 Bohmfalk, Charles W., B.S., M.D., physician, 231 East 55th street.
 Breakell, William Thomas, B.S., C.E., N.Y.U., Customs Inspector, U. S. Barge Office.
 Burchard, Roswell B., A.B., teacher, 24 West 40th street.
 Calkins, Fred. H., A.B., 147 West 49th street.
 *Carroll, Thomas Michael Jos., B.S.

* Deceased.

- Carter, Henry Clinton, B.S., LL.B., lawyer, 54 William street.
- Clarke, R. Floyd, A.B., LL.B., C.C., lawyer, 80 Broadway.
- Cowen, William, A.B., M.D., physician, 78 Rivington street.
- Davis, George Herbert, B.S., assistant superintendent, 146 Grand st.
- Doubleday, Edwin Snow, B.S., merchant, 229 Front street.
- Eaton, Alfred, A.B., clerk, 20 Exchange Place.
- Engelsman, Gabriel, A.B., Ph.D., tutor, 62 East 120th street.
- Foggin, Edward.
- Frankenberg, Jacob Henry, B.S., M.D., physician, 142 East 74th street.
- Gross, Anthony, A.B., clerk, 10 Waverly Place.
- Gutgsell, William T., B.S., clerk.
- Harris, Alexander Henry, A.B., hat and cap factory, 270 McDonough street, Brooklyn.
- Harris, Moses J., B.S., lawyer, 191 Smith street, Brooklyn.
- Honigman, J. Leo, A.B., commission merchant, 315 Washington street.
- Hume, John Charlick, B.S., engineer, 533 Vernon avenue, Long Island City.
- Johnson, Albert Edward, A.B., jeweler, 17 Union Square.
- Keim, George H., A.B., manufacturer, 1384 Lexington avenue.
- Kost, Henry G., B.S., tutor, 17 Lexington avenue.
- Lesser, Maximus A., A.M., LL.B., lawyer, 114 Nassau street.
- Levy, Charles Emanuel, B.S., cotton factor, 196 Gravier street, New Orleans, La.
- Leyendecker, Philip T., A.B., M.D., P. & S., physician, 114 1st street.
- Ludlow, Ogden Curtis, M.S., M.D., N.Y.U., '83, physician, 210 West 135th street.
- Mack, Harry W., A.B., C.C.N.Y., A.M., LL.B., H.U., lawyer and journalist, 175 Broadway.
- Mahon, James Fitus, B.S., printer, 113 Maiden Lane.
- Mahon, Robert Joseph, B.S., LL.B., C.C., lawyer, 4 Warren street.
- Martin, August Lewis, B.S., LL.B., C.C., lawyer, 30 Broad street.
- Mestre, Alfred, B.S., LL.B., C.C., '82, lawyer, 35 Wall street.
- Mowbray, William Eager, B.S., builder, 104 East 85th street.
- Mulqueen, Joseph Francis, A.M., LL.B., C.C., '84, lawyer, 165 Broadway.
- Noble, Henry George S., A.B., broker, 2 West 16th street.
- Nordlinger, Edwin H., A.B., merchant, 8 Harrison street.
- Powell, Frederick, A.B., M.E., mining engineer.
- Price, David, B.S.
- Rice, Edwin Thomas, Jr., A.B., LL.B., lawyer, 59 Wall street.
- Sexton, James William, B.S.
- Shethar, Edwin Hall, B.S., merchant, 7 Waverly Place.
- Smith, Charles William, B.S., engineer, 31 Broadway.
- Steckler, Louis, B.S., LL.B., C.C., lawyer, 5 Beekman street.
- Stein, Richard, A.B., physician, 811 Lexington avenue.
- Straubenmueller, Gustave, A.B., teacher, 326 Fifth avenue.
- Torek, Francis John Albert, A.M., M.D., P. & S., '87, physician, 981 Madison avenue.
- *Torek, Paul C., J., A.B.
- Tucker, Frank, B.S., clerk.

* Deceased.

Wolf, Henry J., A.B., M.D., Heidelberg, physician, 131 West 126th street.

1881.

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Bacon, Frederick Albert, A.B., clerk, Harlem Station, N.Y., N.H. and H. R. R.
Baumeister, John, M.S., clergyman, College Point, L.I.
Beran, Theodore, A.B., manager, 44 Broad street.
Bittiner, Edmund, A.B., 209 West 32d street.
Boas, Edmund A., A.B.
Brothers, Abram, B.S., M.D., P. & S., '84, physician, 162 Madison street.
Budd, Ogden Doremus, A.B., broker, 60 Broadway.
Carroll, Edward P., B.S., teacher, 207 East 75th street.
Casper, Mark, A.B., insurance, 346 Broadway.
Einhorn, Daniel, A.B., lawyer, 538 Broadway.
Esberg, Moses, A.B., LL.B., lawyer, 335 Broadway.
Ettinger, Leo, A.B., M.D., P. & S., '84, physician, 204 East 72d street.
Freedman, Edwin Jackson, A.B., LL.B., C.C., '83, lawyer, Tryon Row.
Giles, William Warren, A.B., clergyman, Lenox avenue and 125th street.
Gross, Louis N., B.S., mining engineer, 38 East 58th street.
Haas, George, B.S., lawyer, 128 East 4th street.
*Happy, Frederick Albert, B.S.

Hunt, Frederick George, A.B., LL.B., C.C., '83, lawyer.
Hyde, James W., A.B., LL.B., C.C., '83, lawyer, 59 Liberty street.
Kakeles, Moses, B.S., M.D., P. & S., '84, physician, 243 East 49th street.
Kenyon, Robert Nelson, A.B., lawyer, 150 Nassau street.
Lichtenstein, Julius, A.B., M.D., physician, 38 East 112th street.
Lockwood, George Roe, Jr., A.B., M.D., P. & S., '84, physician, 50 West 27th street.
Lunn, Richard Brook, B.S.
McAdie, Alexander George, A.M., Harvard, '85, Fellow Clark University, '89-'90, U. S. Weather Bureau, Washington, D. C.
McCormick, John, A. B., LL.B., C. C., '83, lawyer, 258 Broadway.
McKinney, Alexander Harris, A.M., Ph. D., N.Y.U., '91, clergyman, 197 Second avenue.
McNulty, John J., M.S., Ph.D., Professor of Philosophy, C. C. N. Y., 58 Morton street.
Martin, Daniel Hoffman, A.B., B.D., U.T.S., clergyman, 1 Johnson avenue, Newark, N. J.
Mayer, William Edwin Cox, A.B., lawyer, 189 Montague street, Brooklyn.
Mestre, Aurelius E., B.S., sugar manufacturer.
Nammack, William H., A.B., M.D., B.H.M.C., physician and teacher, 273 Madison street.
Newton, William A., B.S., bank clerk.
Olcott, W. Morrow Knox, A.M., LL.B., C.C., '83, lawyer, District Attorney, Criminal Court Bldg.
O'Reilly, John Joseph, A.B., teacher, 266 West 124th street.

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Brooklyn.

*Piddian, Asher L., A.B.

Popper, Edwin S., B.S., manufac-
turer, 5 Sullivan street.

*Riedemann, George, B.S.

Roeser, Frederick, B.S., E.M., C.C.,
'84, mining engineer, Denver, Col.

*Schroeder, Herman, B.S.

Stitt, Edward Walmsley, B.S.,
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Wells, Edmund Bulkley, B.S., 1067
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*Worms, Adolph, A.B.

1882.

*Aron, Louis Edgar, B.S.

Bonynge, Robert William, A.M.,
LL.B., C.C., '85, lawyer, Denver,
Col.

Brown, Henry Everit, A.M., law-
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Byrnes, Lawrence J., B.S., clerk.

Churchill, Thomas William, A.B.,
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Clark, Edwin F., A.B., merchant,
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Condon, John Francis, A.B., teacher,
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Corey, Henry B., A.B., LL.B., C.C.,
'84, lawyer, 314 Broadway.

Cronson, Reuben, A.B., teacher,
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Dusenbury, Edwin Coles, A.M.,
White Plains, N. Y., 206 B'way.

Faulkner, Henry Charles, A.B., ed-
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Fribourg, Arnold L., B.S., lawyer,
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Friedrichs, Rudolph Victor, B.S.,
LL.B., C.C., '85, lawyer.

Goldsticker, William, A.B., LL.B.,
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Goodwin, Fred'k van Bebber, A.B.,
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Beekman street.

Hayman, Morris Henry, B.S., stu-
dent at law, 170 West 95th street.

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19th street.

Ilgen, Ernest, A.B., instructor, 369
Herkimer street, Brooklyn.

Jacobs, Abraham, A.B., merchant,
124 West 97th street.

Kempner, Elias, B.S., 246 East 53d
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Kieran, James Michael, A.B.,
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Kleine, George, A.B., Custom
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Leman, Francis Frederick, A.B.,
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McDowell, George W., A.M., M.D.,
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Mueller, Fred. G., A.B., clerk, 142
East Houston street.

Muller, Walter, B.S.

Murray, Robert M., A.B., grain,
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Nehrbas, John, B.S., teacher, G. S.
79, 42 1st street.

O'Neill, Oscar T., A.B., Customs
Service, 402 Washington street.

*Oudin, Felix A., A.B.

Pfeiffer, Felix, A.B., student of
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Prochazka, John, A.B., chemist, 15
East 12th street.

Rachau, William H., B.S., clerk,
31 West 82d street.

* Deceased.

Ritterbusch, Hugo Henry, A.B., LL.B., C.C., lawyer, 106 Fulton street.

Schubart, Louis H., B.S., Ph.D., Univ. Berlin, '89, Memb. Chem. Soc., Berlin, Fellow Chem. Soc., London, chemist, 201 West 125th street.

See, George N., B.S., Custom House clerk, Nyack, N. Y.

Shulman, Alexander, A.B., M.D., physician, 197 Second avenue.

Sims, Alfred F., B.S., 122 Roosevelt street.

Sims, Edmund Joseph, B.S., 124 Roosevelt street.

*Sinclair, James Drummond, A.B.

Stein, Julius, A.B., M.D., physician, 273 East 7th street.

Tynberg, Sigmund, A.B., M.D., physician, 321 East 42d street and Charity Hospital.

Watson, William Scott, Jr., A.M., missionary, American Mission, Sidon Square, London.

1883.

Balken, William S., M.D., P. & S., A.M., physician.

Barnett, Solomon, B.S., M.D., P. & S., physician, 319 Eighth avenue.

Brown, Ronald Ketchum, A.B., LL.B., C.C., '85, lawyer, 2004 Fifth avenue.

Brush, Louis T., B.S., commission merchant, 82 Pine street.

Buttenwieser, Joseph Leon, A.B., 27 Pine street.

Cabaret, Luther Origène, A.B., teacher.

Christadoro, Arthur, B.S., clerk, 442 West 22d street.

*Delaney, George M., B.S.

*Falk, Isaac Newton, A.B., LL.B., C.C., '85.

Felter, William Landon, A.B., principal, 366 Hancock street, Brooklyn.

Früauf, John Lewis, A.B., LL.B., C.C., '85, teacher, 621 Lexington avenue.

Gibb, William Travis, B.S., M.D., N.Y.U., physician, 365 Lexington avenue.

Gill, Joseph, A.B.

Ginsburger, Emil, B.S., architect, Taylor avenue and Columbine street, Belmont, N. Y. C.

Gordon, William, A.B., M.D., P. & S., '86, physician, 144 East 36th street.

Hanley, James Arthur, A.B., Deputy Register, Register's Office.

Herring, Charles Edward, A.B., 339 Bowery.

Jarecky, Herman, A.B., M.D., P. & S., physician, 1895 Lexington avenue.

Lane, J. Albert, A.B., LL.B., C.C., lawyer, 32 Liberty street.

Mack, Walter S., B.S., clerk, 325 West 58th street.

Mettler, Lee Harrison, A.M., M.D., Jeff. Med. Col., Philadelphia, physician, 4544 Lake avenue, Chicago, Ill.

Minrath, Robert, A.B., 130 East 18th street.

Mosenthal, Philip James, M.S., insurance, 46 Cedar street.

Mott, Lewis Freeman, M.S., Professor of English, C. C. N. Y.

Park, William H., A.B., M.D., P. & S., '86, physician, 128 West 11th street.

*Paulman, Frederick Henry, B.S.

Pope, George C., A.B., M.D., physician.

Powell, H. Wheeler, B.S., 40 West 126th street.

* Deceased.

Purdy, Theodore Martindale, B.S., merchant, Short Hills, N. J.
 Rauch, David L., B.S., teacher, 257 East 48th street.
 Rosenstock, Samuel, B.S., student of pharmacy, 191 First avenue.
 Sanders, Frederick William, A.M., H. U., '92, editor, 175 Dearborn street, Chicago, Ill.
 Schaettler, George, A.B., LL.B., C., C., '85, manufacturer, 116 West 121st street.
 Schüllinger, Otto, A.B., LL.B., C.C., lawyer, 238 East 58th street.
 Schwerd, Max J., M.S., M.D., P. & S., '86, physician, 58 East 112th street.
 Stark, Henry Solomon, A.M., M.D., P. & S., '86, physician, 15 East 72d street.
 Traub, John Emil, A.M., M.D., P. & S., physician, 261 West 42d street.
 Van Doren, Louis Otis, A.B., lawyer, 2 Wall street.
 Van Vliet, Purdy, A.B., LL.B., C. C., lawyer, 87 Nassau street.
 Wade, Joseph Henry, A.M., St. F. X., '84, teacher, G. S. 1, 103 East 96th street.
 Wels, Paul O., B.S., M.E., metallurgist, Great Falls, Mont.
 *Wolfertz, Charles William, M.S., M.D.
 Zwinge, William P., A.B., Custom House, 39 First avenue.

1884.

Barney, Lewis W., M.A., N. Y. U., '91, clergyman, 137 East 46th street.
 Bischof, George J., B.S., civil engineer, Third avenue, 177th street.
 Bliss, Henry Eugene, B.S., 1550 Lexington avenue.

Burnett, Benjamin Adams, A.B., Naval Office, Custom House, New York.
 Byrne, Edward A., B.S., 121 Crosby street.
 Carls, Gustave A., B.S., 239 East 37th street.
 Coakley, Cornelius G., A.M., M.D., N. Y. U., physician, 126 East 45th street.
 Cronson, Bernard, A.B., teacher, 317 East 119th street.
 Darling, Joseph Francis, A.B., teacher, G. S. 1, 122 East 23d street.
 Delanoy, Edwin P., B.S., insurance, 2 Wall street.
 Erlandsen, Oscar, B.S., civil engineer, 72 East 93d street.
 Fox, William, B.S., M.E., assistant professor, West New Brighton, S. I.
 Greene, William Hallett, A.B., U.S. Signal Service.
 Hahlo, Louis Herbert, A.B., LL.B., C.C., '86, lawyer, 19 East 53d street.
 Holmes, James Edward, A.B., clergyman, Mamaroneck, N. Y.
 Hopkins, Milton, A.B., LL.B., C.C., lawyer, Glen Cove, L. I., 35 Wall street.
 Kohns, Lee, B.S., merchant, 42 Warren street.
 Ladinski, Louis Julius, A.B., M.D., P. & S., '87, physician, 243 East Broadway.
 Lane, James Warren, B.S., clerk, 131 East 21st street.
 Lichtenstein, Solomon Katton, A.B., LL.B., C.C., '87, lawyer, 52 Exchange Place.
 Lindheimer, Julius Jacob, A.B.
 Manges, Morris, A.M., M.D., P. & S., physician, 941 Madison avenue.

Martin, Daniel Francis, A.B., LL.B., C.C., Member of Assembly, 1891, lawyer, 314 East 37th street.

Marvin, David Meekes, A.M., M.D., P. & S., '87, physician, 2099 Fifth avenue.

Marx, Joel Moses, A.B., LL.B., N. Y. U., lawyer, 258 Broadway.

Mason, Frank Gillette, A.B., clerk, 32 West 129th street.

*Maury, Rutson, B.S., M.D.

Mayer, Julius Marshall, A.B., LL.B., C.C., '86, lawyer, 10 Wall street.

Menken, Persival Solomon, A.M., Ph.D., LL.B., C.C., lawyer, 140 Nassau street.

Miskowsky, Louis F., B.S., Professor, Oberlin College, Oberlin, Ohio.

Murray, Charles, B.S., merchant, 33 Broad street.

Pedersen, James, B.S., M.D., P. & S., physician.

Penman, John Simpson, A.B., clergyman, Bangor, Me.

Pfeiffer, David, A.B., broker, 6 Wall street.

Reed, William Henry, A.B., 280 Broadway.

Roeder, Benjamin Franklin, B.S., treasurer, 19 West 44th street.

Rupp, August, A.B., assistant professor of Latin, C.C.N.Y., 17 Lexington avenue.

Scripture, Edward Wheeler, A.M., Ph.D., Univ. Leipzig, '90, Fellow Clark University, Psychologist, Yale Univ., New Haven, Conn.

Smith, Theodore Eugene, Jr., A.B., LL.B., C.C., '86, lawyer.

Todd, Edward Farnham, A.B., lawyer, 111 Broadway.

Tuska, Samuel Adolph, A.M., merchant, 64 William street.

Van Winkle, Jacob Outwater, A.B., M.D., P. & S., '87, physician, Hackensack, N. J.

Vosburgh, Myna Allison, A.B., 58 William street.

Zeh, Adolph, A.B., M.D., P. & S., '87, physician, 343 West 50th street.

1885.

Aaron, Isaac, B.S., 2189 Seventh avenue.

Abrams, Alexander, A.B., M.D., P. & S., physician, 134 East 87th street.

Adair, Walter Jollie, A.B., clerk, 159 Joralemon street, Brooklyn.

Bach, Louis Philip^{*}, B.S., pianos, 237 East 23d street.

Barnett, Maurice, B.S., metallurgist, Ansonia, Conn.

Decker, William Frederick, B.S., clerk, 154 West 45th street.

Devoe, Franklin Minturn, Jr., B.S., merchant, 176 Franklin street, Brooklyn, E. D.

*Fitch, George Walter, B.S.

Fromme, Abraham L., A.B., lawyer, 287 Broadway.

Hastie, James L., Jr., A.B., clergyman, 7915 Frankford avenue, Philadelphia.

Hicks, Louis, A.M., lawyer, 150 Broadway.

Hildreth, Percy Stearns, B.S., civil engineer, 50 Broadway.

Hoffman, Benjamin Byron, A.B., 769 Prospect avenue.

Hofmann, Ferdinand Florenz, M.S., LL.B., N. Y. U., '92, lawyer, 769 Prospect avenue.

Kaminski, Edward Vladimir, A.B., student.

* Deceased.

McAuliffe, George B., A.B., student of medicine, 759 Second avenue.

McCreery, Forbes Rob't, B.S., M.D., P. & S., physician, 129 East 40th street.

Mack, Alfred W., A.B., importer, 8 West 4th street.

Mack, Henry, A.B., LL.B., C. U., lawyer, 27 Pine street.

Martin, Thomas William, B.S., M.D., N. Y. U., '88, Albany avenue, Kingsbridge.

Metcalfe, Fred. Lemont, B.S., architect, 132 Nassau street.

Miller, Rudolph Philip, B.S., C.E., C.C., '88, civil engineer, 141 East 40th street.

Moritz, Isaac Frank, B.S., traveler.

Nathan, Harold, M.S., LL.B., C.C., '89, lawyer, 44 Broad street.

Neumann, Hugo, B.S.

Oudin, Maurice Agnus, A.B., M.S., E.E., College of N. J., electrical engineer, Schenectady, N. Y.

Randolph, Eugene Henry Lewis, A.B., Accountant of C. R. N. J., Plainfield, N. J.

Schneider, August Adolph Frederick, B.S.

Schulman, Samuel, A.B., clergyman, Kansas City, Mo.

Sondheim, Leopold, M.S., LL.B., C. C., lawyer, 44 Broad street.

Stachelberg, Charles Grant, B.S., tobacco, 1054 Fifth avenue.

Stephenson, John Charles, A.B., S.T.B., G.T.S., clergyman, Bay Shore, L. I.

*Webster, Andrew Lincoln, A.B.

Wendel, Fred. Charles H., A.M., Ph.D., Univ. Strassburg, '88; Author of History of Egypt; Member Am. Oriental Soc.

1886.

*Bradley, Edward John, B.S., LL.B., C. C.

Bullowa, Alfred Lyon, A.B., merchant, 450 Greenwich street.

Byrnes, James Charles, B.S., teacher, 66 East 88th street.

Camp, Frederick Augustus, A.B., LL.B., lawyer, 254 Broadway.

Carl, John, B.S., architect, 48 Exchange Place.

Dean, Bashford, A.M., Ph.D., C.C., '89, C.C., '90, Tutor, C.C. N. Y., '86-'91, Ass't N. Y. S. Fisheries

Com., '86, Hon. Ass't Geology, C.C., '89, Director Summer School

Biology, Coldspring Harbor, L. I., '90, Ass't U. S. Fisheries Com.,

'90, Adjunct Professor Biology, Col. Univ.

Downer, Charles Alfred, A.B., Instructor in French, C.C.N.Y.,

124 East 24th street.

Eaton, Henry Ware, A.B., lawyer, Tribune Building.

Elliott, Gilbert M., A.M., M.D., C.C., physician, Brunswick, Me.

Floyd, William Toel, A.B., stock broker, 31 Broad street.

Greenhall, Charles L., B.S., LL.B., C.C., lawyer, 277 Broadway.

Gutman, Abraham L., B.S., LL.B., C.C., lawyer, 15 Wall street.

Hill, Aaron C., A.B., 327 East 3d st.

Knipe, Isaac McGay, A.B., clergyman, 193 Ninth avenue.

Kottman, Wm. Adolph, B.S., LL.B., C.C., lawyer, 426 East 84th street.

La Fetra, Edward B., A.B., LL.B., C.C., lawyer, 38 Park Row.

*Mason, Carl Schultz, B.S.

Menken, Mortimer Morange, A.M., LL.B., C.C., '88, lawyer, 140 Nassau street.

- Morris, Edward Myre, B.S., 839 Eighth avenue.
- Morris, Louis, A.B., M.D., P. & S., physician, 77 Orchard street.
- Nordby, Conrad Hjalmar, B.S., instructor, 30 West 132d street.
- Oberndorfer, Nathaniel H., B.S., Park City, Utah.
- O'Donnell, James Aloys, B.S., teacher.
- Perkins, Edward White, A.B., M.D., P. & S., physician, 224 West 131st street.
- Petrash, Carl Schurz, B.S., LL.B., lawyer, 71 West 55th street.
- Poor, Charles Lane, M.S., Ph.D., Associate Professor in Astronomy, Johns Hopkins University, Baltimore, Md.
- Rush, Thomas Edward, A.B., lawyer, 2 Tryon Row.
- *Schavel, William, B.S.
- Schultze, Otto Henry, A.B., M.D., P. & S., physician, 24 East 63d st.
- Shields, Albert, A.B., teacher, Madison avenue and 85th street.
- Stroock, Moses Jesse, B.S., LL.B., C.C., lawyer, 320 Broadway.
- Thain, Mortimer Porter, B.S., architect.
- Veit, Benjamin, B.S., LL.B., N. Y. U., lawyer, 173 East 95th street.
- Wendt, Fred. William, B.S., clerk, 25 Greene street.
- Wood, John Wilson, B.S., secretary, 61 East 25th street.
- Yates, Samuel Wylie McLeod, A.B., 304 West 30th street.
- Zerega, Louis Augustus, A.B., M.D., physician, 386 Fifth avenue.
- Baumeister, Theodore, M.S., LL.B., C.C., lawyer, Tribune Bldg.
- Berghane, Frederick Albert, B.S., teacher, 124 West 30th street.
- Blumenstiel, Emanuel, A.B., 108 East 79th street.
- Bradley, Thomas J., A.B., teacher, 101 1/2 Lewis street.
- Dunlop, Samuel Robert, B.S., 308 West 51st street.
- Eising, Harry, B.S., merchant, 6 East 66th street.
- Elder, Joseph A., A.B., 337 East 68th street.
- Griffith, Harry B., B.S., Baker-ville, Custer Co., S. D.
- Guth, William C., A.B., M.D., P. & S., physician, 253 East 71st street.
- Haase, Lewis M. F., A.B., theatrical manager, 120 Broadway.
- Howe, John Wesley, B.S., 311 West 17th street.
- Hubbell, George William, A.B., ass't actuary, 261 Broadway.
- *Iseli, Henry Emile, B.S.
- Jarmulowsky, Meyer, A.B., Ph. B., C.C., architect, 102 East 60th street.
- Johns, William H., B.S., advertising agent, 38 Park Row.
- Josephthal, Louis Maurice, B.S., merchant, 128 East 72d street.
- Kurzman, Seymour P., A.M., LL.B., C.C., '89, lawyer, 15 Wall street.
- Lyon, Theodore Edward, Jr., B.S., teacher.
- McElveen, William T., A.B., clergyman, 143d street, near Willis avenue.
- McEwen, G. Floy, A.B.
- McGuire, John F. E., A.B.
- Meirowitz, Philip, B.S., M.D., P. & S., physician, 202 West 131st street.
- Oppenheim, Samson David, B.S.

1887.

- Baron, Adolph, A.B., M.D., P. & S., physician, 320 East 78th street.

* Deceased.

O'Shea, William J., B.S., teacher, 87 Pike street.
 Requa, Robert Russell, A.B., teacher, 65 West 52d street.
 Roche, Thomas Henry, B.S., 157 East 72d street.
 Rosenthal, Abraham, A.B., physician.
 Rosenwald, Benno, B.S., merchant, 145 Water street.
 Schneider, Henry George, B.S., teacher, 610 West 47th street.
 Schreier, Eli S., B.S., 168½ Attorney street.
 Serrano Vicente, A.B., 711 Lexington avenue.
 Smith, Augustus, A.B., C.E., C.C., engineer, 460 West 44th street.
 Smith, Robert Frederick, B.S., tutor, 287 West 4th street.
 Sondheim, Eugene, A.M., H.U., lawyer, 44 Broad street.
 Stake, George William, A.M., LL.B., C.C., lawyer, 59 Liberty street.
 Winslow, Francis Asbury, B.S., lawyer, 100 Broadway.
 Wray, Stephen, A.B.
 1883 Vyse street, West Farms.
 *Wright, Theodore A., B.S.

1888.

Bamman, Henry Lewis, B.S., 159 Avenue B.
 Barnett, Jacob, A.B., LL.B., N. Y. U., lawyer, 280 Broadway.
 Bell, John H., A.M., B.D., clergyman, 57 North 8th avenue, Mount Vernon, N. Y.
 Bieser, Augustus Edward, A.B., M.D., P. & S., physician, 256 West 54th street.
 Brouner, Walter Brooks, A.B., M.D., P. & S., physician, 256 West 12th street.

Campbell, John, A.B.
 Carnes, Mason, A.B., care Mrs. Wm. Wood, 4 West 18th street.
 Davies, Charles Franklin, B.S., A.M., C.C., LL.B., N.Y.L.S., lawyer, 32 Park Place.
 Devlin, Bernard Joseph, A.M., S.F. X. Coll., teacher, 1459 E. Boulevard.
 Drummond, Lewis Evans, A.B., detective agency, 1 Ann street.
 Dunscomb, Samuel Whitney, Jr., A.M., Ph.D., LL.B., C.C., lawyer, 28 West 128th street.
 Eckerson, Frank L., A.B., C.C., '91, lawyer, 117 West 123d street.
 Elder, John, A.B., 337 East 68th st.
 Erdman, Albert, B.S., LL.B., C.C., '91, lawyer, 117 East 65th street.
 Ericson, Charles, B.S., master mechanic, 286 Columbus avenue.
 Glaze, George W., B.S., Ph.B., C.C., '89, M.A., C.C., '91, lawyer, 117 East 60th street.
 Hadden, Henry Cornell, A.B., manufacturer, 43 West 127th street.
 Haney, James Parton, B.S., M.D., P. & S., physician, 1233 Third ave.
 Hatting, Peter August, A.B., lawyer, 7 Beekman street.
 Hershfield, Isidor, A.B., LL.B., N.Y. U., attorney, 176 Broadway.
 Hottenroth, Adolph C., B.S., LL.B., N. Y. U., lawyer, 271 Broadway.
 Huber, Hugo F., B.S., 23 East 130th street.
 Jasper, William Henry, B.S., 554 Hudson street.
 Jones, Frank Lawrence, A.B., 319 East 57th street.
 Knox, T. Harry, B.S., teacher, 47 West 94th street.
 Koehler, Edwin H., B.S., 40 East 64th street.
 Kohn, Albert, A.B., M.D., P. & S., '91, physician, 217 East 62d street.

* Deceased.

- Koplik, Charles, B.S., LL.B., N.Y. U., lawyer, 61 Park Row.
- Leisersohn, George Washington, A.B., LL.B., N. Y. U., lawyer, 2028 Lexington avenue.
- Levy, Arthur Bernard, B.S., M.M.E., Cornell, '90, 235 East 50th street.
- Levy, Lehman, B.S., student, 340 East 50th street.
- Lowinson, Oscar, B.S., southwest corner 114th street and Pleasant avenue.
- Mandel, Edward, A.B., teacher, G. S. No. 29.
- Marks, Lewis Benedict, B.S., M.E., M. M.E., Cornell University, electrical engineer, 51 East 67th street.
- Merz, Eugene, B.S., 143 Littleton avenue, Newark, N. J.
- Mitchell, James Bryor, A.B., lawyer, 1535 Washington avenue.
- Mitchell, Richard Henry, A.B., LL.B., lawyer, 1535 Washington avenue.
- O'Connell, Jerome A., B.S., teacher, 1884 Lexington avenue.
- Palmer, Earl Fenton, B.S.
- Parmly, Charles Howard, B.S., E.E., C.C., Instructor in Mathematics, C. C. N. Y., 344 West 29th street.
- Perham, Frederick Elliott, B.S., LL.B., N. Y. U., lawyer, 31 Nassau street.
- Potter, George Sabine, Jr., A.B., C. C. N. Y. and H. U., teacher of chemistry, 61 Beacon street, Boston, Mass.
- Potter, Nathaniel Bowditch, A.B., 39 West 20th street.
- Quesada, Gonzalo de, B.S., 309 West 28th street.
- Rauch, Morris S., B.S., 122 East 117th street.
- Rosenberg, Max, B.S., M.D., P. & S., physician, 249 East 71st street.
- Rubens, Horatio Schoen, B.S., 121 Second avenue.
- Ryan, James A., B.S., lawyer, 131 East 91st street.
- Ryan, William Thomas, A.B., teacher, G. S. No. 20.
- Salter, George Ferry, M.S., actuary, Prudential Building, Newark, N. J.
- Schwick, Charles, B.S., 420 East 9th street.
- Stein, Sidney A., A.B., M.D., P. & S., physician, 158 East 72d street.
- Stern, Charles S., A.B., M.D., B.H. M.C., '91, physician, 368 Main street, Hartford, Conn.
- Stevens, Plowdon, Jr., B.S., 150 West 99th street.
- Tuska, Gustav R., M.S., C.E., C.C., civil engineer, 1125 Madison avenue.
- Wieland, William Charles, B.S., 212 West 30th street.

1889.

- Alsdorf, Edward G., A.B., 237 West 51st street.
- Alzheimer, Joseph J., B.S., 409 East 78th street.
- Bachman, Isaac, A.B., merchant, 274 West 127th street.
- Baruch, Bernard M., A.B., 67 West 70th street.
- Bernstein, Saul, A.B., lawyer, 320 Broadway.
- Blan, Samuel Augustus, B.S.
- Brandt, William J., B.S., manufacturer, 176 East 88th street.
- Carpentier, Marius A., B.S., 251 West 123d street.
- Carter, Stephen Tallmadge, B.S.
- Cohn, Samuel, B.S., LL.B., CC., lawyer, 342 West 47th street.
- Constant, Joseph Anthony, B.S., merchant, 110 Franklin street.

Curry, John Pinkerton, A.B., salesman, 29 West 61st street.

Dunlap, James John, A.B., clergyman, Greenport, L. I.

Dunn, Gano Sillick, B.S., E.E., C.C., engineer, 223 Central Park, West.

Fischlowitz, Gustav G., A. B., physician.

Fuentes, Ventura, A.B., 325 West 112th street.

Goldstein, Philip, A.B., M.D., N. Y. U., physician, 204 Henry street.

Goldstein, Samuel, A.B., M.D., N. Y. U., physician, 166 East 93d street.

Hoch, John, A.B., 162 East 64th st.

Horne, Charles F., B.S., tutor, 17 Lexington avenue.

Jenks, Elijah, Jr., B.S., teacher, 68th street and Amsterdam avenue.

Kletchka, John Joseph, A.B., 92 Vesey street.

Laase, Christian F. J., B.S., M.D., 289 East 10th street.

Lessler, Montague, B.S., 432 East 57th street.

Ludwig, Henry, Jr., B.S., teacher, 209 East 109th street.

Lydon, Richard P., A.M., C.C., lawyer, 132 Nassau street.

McBarron, John, A.B., M.D., P. & S., physician, 772 West End avenue.

McQueeney, Edward Cleveland, A.B.

Merriitt, Fowler, A.B., 305 East 56th street.

Mohr, Walter Martin, B.S., teacher, 17 Bedford street.

Morgenstern, Julius, A.B., M.D., P. & S., physician, 430 East Houston street.

Morse, Livingston Burrill, B.S., tutor, 140 Nassau street.

Pedersen, Frederick Malling, M.S., E.E., C.C., electrical engineer, 327 West 34th street.

Prince, Julius, B.S., merchant, 35 Greene street.

Reardon, Dennis Joseph, B.S., 559 West 44th street.

Rodgers, William A., A.B., M.D., N. Y. U., physician, 272 East Broadway.

Rosenblueth, Jacob, A.B., 340 East 65th street.

Rothschild, Louis Frank, B.S., Ph.B., C.C., merchant, 51 East 60th street.

Scheuer, Maurice, B.S., 26 East 76th street.

Schlesinger, Anthony, A.B., 72 East 93d street.

Schuyler, Livingston, A.B., 311 East 86th street.

Schwarz, Sampson Henry, B.S., A.B.; H.U., lawyer, 105 East 79th street.

Simon, Solomon, A.B., Denver, Col.

Smith, Arthur, B.S., 460 West 44th street.

Smith, John J., A.B., 1704 First avenue.

Springsted, James Wm., A.B., journalist, 211 Freeman street, B'klyn.

Van Pelt, John N., A.B.

*Warner, Theodore Alfred, B.S.

Waterbury, Ezra K., B.S., 104 East 10th street.

Wingebach, Jos. Franklin, B.S., teacher, 421 East 84th street.

1890.

Abrahamson, Isador, B.S., physician.

Angell, Frank S., B.S., A.M., C.C., LL.B., N. Y. L. S., lawyer, 186 Remsen street, Brooklyn.

* Deceased.

- Bleil, Frederick, B.S., M.D., P. & S.,
 physician, 106 Eldridge street.
 Boyrer, William C., B.S., 669 East
 138th street.
 Breitwieser, Leonard Lawrence,
 B.S., surveyor, 311 East 87th
 street.
 Brickner, Edwin Solis, B.S., A.M.,
 C.C., 812 Lexington avenue.
 Brodek, Charles Adrian, B.S., A.M.,
 C.C., lawyer, 5 Beekman street.
 Brower, James C., B.S., 144 West
 16th street.
 Burke, Edmund, A.B., tutor, 156
 East 48th street.
 Duggan, Stephen Pierce, B.S., in-
 structor, 533 Lexington avenue.
 Elsberg, Charles Albert, A.B., phy-
 sician, 137 East 57th street.
 Fischlowitz, Abram, B.S., teacher,
 G. S., 1708 Lexington avenue.
 Fitch, Albert Franklin, B.S., M.D.,
 P. & S., physician, 14 Dod-
 worth street, Brooklyn.
 Garritt, Albert Warner, B.S.,
 teacher, 200 West 142d street.
 Halligan, Thomas C., B.S., teacher,
 125 West 54th street.
 Herrman, Charles, B.S., 27 West
 115th street.
 Herskovitz, Herman, Jr., B.S.,
 LL.B., N. Y. U., lawyer, 317 East
 49th street.
 Hühner, Leon, A.M., LL.B., C.C.,
 lawyer, 358 East 121st street.
 Jacobsohn, William, B.S., M.D., N.
 Y. U., physician, 152 East 86th
 street.
 Kelby, Thomas, B.S., A.M., LL.B.,
 C.C., lawyer, 60 St. Mark's Place.
 Kohler, Max James, M.S., A.M.,
 LL.B., C.C., lawyer, Ass't U. S.
 District Attorney, 115 East 71st
 street.
 Louis, Otto T., B.S., M.M.E., Cor-
 nell, Elec. Eng., 340 East 119th
 street.
 McBarron, Frank J., B.S., LL.B.,
 N.Y.L.S., lawyer, 291 Broadway.
 Manheim, Louis L., A.B., lawyer,
 263 East Broadway.
 Meighan, Burton C., B.S., LL.B.,
 N. Y. U., lawyer, Mamaroneck,
 N. Y.
 Morris, Aaron, A.B., 55 Baxter st.
 Myers, John Hayes, Jr., A.B., C.E.,
 Troy Poly. Inst., civil engineer,
 Clover street, West Farms.
 Nelson, Dean, B.S., 1139 Madison
 avenue, corner 85th street.
 Neuhoﬀ, Selian, B. S., 56 Ludlow
 street.
 Prellwitz, Otto Emil, A.B., physi-
 cian, 304 East 23d street.
 Pyne, William Joseph, B.S., lawyer,
 336 Water street.
 Rauner, Charles, B.S., 323 East 42d
 street.
 Remy, Alfred M., A.B., music, 415
 St. Nicholas avenue.
 Remy, Arthur F. J., A.B., student
 of art, 415 St. Nicholas avenue.
 Risk, Francis, A.B.
 Roeser, John Edward, B.S., A.M.,
 LL.B., C.C., lawyer, 240 West
 130th street.
 Rogers, Clarence DeW., B.S., 64
 East 61st street.
 Roseno, Bernard S., A.B., M.D.,
 P. & S., physician, 238 East 105th
 street.
 Rosenthal, Charles Edward, B.S.,
 teacher, 160 Chrystie street.
 Saurel, Paul L., B.S., tutor, 17
 Lexington avenue.
 Schlesinger, Frank, B.S., 436 East
 80th street.
 Schlesinger, Henry William, A.B.,
 M.D., P. & S., physician, 120
 Lewis street.
 Stock, Casper, B.S., M.D., P. & S.,
 physician, 2249 Seventh avenue.
 Stuart, William, B.S., lawyer, 200
 East 10th street.

Taylor, David C., A.B., 312 West 106th street.
 Veiller, Lawrence, A.B., 50 West 48th street.
 Walker, George L., B.S., draftsman, 890 Grand Boulevard.
 Weber, William E., A.B., M.D., P. & S., physician, 680 Grove street, Elizabeth, N. J.
 Wiener, Joseph, A.B., M.D., P. & S., physician, 1003 Madison avenue.
 Wood, William T., B.S., 39 Gramercy Park.
 Yankauer, Sydney, A.B., physician, 333 East 58th street.
 Zarnitz, George Henry, A.B., teacher, 294 Henry street.

1891.

Altkrug, Louis J., A.B., LL.B., N. Y. L. S., lawyer, 7 Beekman street.
 Berg, Albert, A.B., M.D., P. & S., physician, 245 7th street.
 Binion, Joshua, B.S.
 Carl, William, A.B., A.M., LL.B., C.C., lawyer, 247 West 133d street.
 Clearman, Wallis J., B.S.
 Cohn, Isadore, B.S., 91 East Broadway.
 Dann, Nicholas R., A.B., 59 Rivington street.
 Elder, Robert, A.B., 162 Second avenue.
 Elsberg, Nathaniel A., A.B., LL.B., N. Y. U., lawyer, 132 Nassau street.
 Emley, Joseph Noble, A.B., lawyer, 207 Broadway.
 Foster, Frederick J., B.S., teacher, 421 West 50th street.
 Freund, Jacob M., B.S., business, 49 East 91st street.
 Friedwald, Samuel, A.B., 122 East Broadway.
 Frisbee, Harry D., A.B., E.E., C.C., teacher, 1340 Fulton avenue, Brooklyn.
 Gartensteig, Charles, B.S., student, 215 East 71st street.
 *Geyer, Paul W., A.B.
 *Greer, John G., B.S.
 Guiterman, Arthur, A.B., 335 West 58th street.
 Hackett, James J. K., A.B.
 Hamburg, David Joseph, B.S., M.D., P. & S., physician, 104 West 116th street.
 Handy, Arthur W., 131 West 32d st.
 Hartnett, Eugene Howe, B.S., M.D., P. & S., physician, N. Y. Cancer Hospital.
 Henschel, Joseph, A.B., 950 Fleetwood avenue.
 Hertz, Joseph Herman, A.B., Ph.D., C.C., minister, Syracuse, N. Y.
 Hoffmann, Albert L., A.B., clerk, 18 First avenue.
 Huiell, John Mortimer, A.B., Richmond Hill, N. Y.
 *Jacobs Alfred M., A.B.
 Kelly, Edwards H., A.B., teacher, 322 East 87th street.
 Kelly, William V., B.S., 163 East 69th street.
 Libman, Emmanuel, A.B., 180 East 64th street.
 Lindroth, Charles Hjalmar, A.B., secretary, 120 East 7th street
 Lippincott, Harold E., M.S., LL.M. N. Y. U., tutor, 61 West 19th street.
 Ludvigh, Elek John, B.S., 759 Lexington avenue.
 Man, Arthur, A.B., 56 Wall street.
 Marx, Louis J., A.B., lawyer, 538 5th street.

* Deceased.

- Marx, Wolfe Bennett, A.B., 538 5th street.
- Meighan, Howard Sidney, B.S., LL.B., Mamaroneck, N. Y.
- Meyer, William Henry, A.B., 241 East 109th street.
- Miller, Ira Abbott, B.S., Colorado Springs, Col.
- Necarsulmer, Harry, B.S., A.M., LL.B., C.C., lawyer, 109 East 70th street.
- Nelson, Henry Clay, B.S., E.E., Corn. Univ., electrical engineer, 116 East 81st street.
- Oakes, John Calvin, B.S., Ph. B., C.C., 2d. Lieut., U.S.A.
- Oakley, Charles Solomon, A.B.
- Rainey, William M. B.S., teacher, 428 West 57th street.
- Reynolds, Frederick Gregory, B.S., LL.B., N.Y.U., tutor, 124 West 132d street.
- Rodman, Harry, A.B., 218 East Broadway.
- Samuels, Robert Vinton Seger, B.S., LL.B., N.Y.L.S., lawyer, East 143d street, corner St. Ann's avenue.
- Scheuer, Louis, B.S., clerk, 951 Second avenue.
- Smyth, Francis, A.B., LL.B., N.Y. L.S., lawyer, 36 Wall street.
- Steinach, William, A.B., 188 Second avenue.
- Stern, Philip Harry, A.B., lawyer, Montgomery, Ala.
- Stroock, Solomon M., B.S., A.M., LL.B., C.C., lawyer, 156 E. 80th st.
- Theobald, Carl, B.S., M.D., P.&S., physician, 542 East 11th street.
- Timmerman, Arthur H., B.S., M.M.E., Cornell Univ., professor of physics, Rolla, Mo.
- Timmerman, Charles Edward, B.S., M.M.E., Cornell Univ., instructor, Ithaca, N.Y.
- Tobias, Leo, B.S., medical student, 321 East 52d street.
- Trafford, Forrest Rose, B.S., journalist, 400 West 124th street.
- Van Norman, Louis Edwin, A.B., editor, 30 Lafayette Place.
- Victor, Frederick, B.S., ass't cashier, 166 East 116th street.
- Weiler, Charles H., B.S., 106 East 60th street.
- Wood, Sidney Lunt, B.S., 6 E. 28th street.

1892.

- Alexander, Edward Albert, B.S., 147 East 62d street.
- Baruch, Hermann Benjamin, B.S., 67 West 70th street.
- Benedikt, Victor M., B.S., 123 East 83d street.
- Bernstein, Solomon Charles, B.S.
- Bruckner, Arthur, B.S., 523 East 83d street.
- Bullowa, Ferdinand Ezra M., A.B., 46 East 66th street.
- Byrne, George T.L., B.S., 121 Crosby street.
- Chapman, R. Fendall, B.S., 167 East 116th street.
- Coleman, John B., A.B., 850 Lexington avenue.
- Cook, Alfred A., B.S., 152 East 71st street.
- Craft, Warren Moore, B.S., 217 West 133d street.
- *Dailey, Alfred Milner, B.S.
- Earle, Thornton, B.S., 498 West 153d street.
- Fintel, Ernest A. von, B.S., 1792 Washington avenue.
- Freedman, Lewis Herbert, A.B., 120 West 125th street.
- Goldmark, Emil, B.S., 150 East 63d street.

* Deceased.

- Greenbaum, Jacob H., A.B., 80 East 108th street.
- Haight, S. Carlton, B.S., 1766 Clover street.
- Hauswirth, Louis, B.S., 303 East 55th street.
- Hellerson, Charles E. W., B.S., 317 East 55th street.
- Henwood, William Jory, A.B., 1242 Washington avenue.
- Hertz, Emanuel, A.B., 449 East 80th street.
- Jacobus, Theo. I., B.S., 357 East 50th street.
- Jennings, George E., B.S., 237 South Third avenue, Mt. Vernon, N. Y.
- Josephson, Isaac, B.S.
- Knox, Arthur, A.B., 472 Mott avenue.
- Levy, Meyer, B.S.
- Levy, Morris, A.B.
- Liebermann, William, A.B., 150th street and Westchester avenue.
- Loewy, George S., A.B., manufacturer, 577 East 146th street.
- McNeill, Ernest, Jr., A.B., 589 East 140th street.
- Martin, Jeremiah N., Jr., A.B., 436 Lenox avenue.
- Miller, James Calvin, Jr., B.S., 227 West 52d street.
- Moss, Isaac, A.B., 263 West 36th st.
- Natkins, Isaac, B.S., 418 West 40th street.
- Newman, Henry, B.S., 93 Division street.
- Ottinger, Nathan, B.S., 110 East 61st street.
- Powers, Francis W., A.B., 216 East 109th street.
- Reubenstein, Raymond, A.B., 129 East 82d street.
- Rieser, Max Gustine, A.B., 57 East 110th street.
- Roeser, Edward N., B.S., 240 West 130th street.
- Rosenzweig, Joseph, A.B., 249 East 110th street.
- Schmeidler, Benjamin, B.S., 928 Madison avenue.
- Schulz, Geo. M. S., A.B.
- Scott, Frank, B.S., 312 North 7th street, Newark, N. J.
- Scouler, Ambrose A., A.B.
- Shera, George William, A.B., 235 Pacific street, Jersey City, N. J.
- Sigel, Franz, Jr., B.S., lawyer, Chicago, Ill.
- Silberstein, Solomon D., A.B., 442 Lenox avenue.
- Sobel, Jacob, A.B., 148 Henry street.
- Speranza, Gino Charles, B.S., lawyer, 128 East 63d street.
- Stanton, Frederick Everett, B.S., 31 West 71st street.
- Stratton, Alexander, B.S., 2013 Fifth avenue.
- Stroh, Frederick A., B.S., 59 West 22d street.
- Taylor, Geo. H., Jr., A.B., 821 East 138th street.
- Thorner, Maurice, A.B.
- Whitehorne, Frederick N., A.B., 64 West 126th street.

1893.

- Ansbacher, Samuel L., B.S., 1869 Madison avenue.
- Austin, Berkeley C., A.B.
- Becker, Hubert, B.S., 322 East 79th street
- Benoliel, Solomon D., B.S., 120 West 35th street.
- Blumensohn, Henry J., B.S.
- Bretzfelder, Isaac, B.S., 87 Avenue B.
- Brickner, Walter M., B.S., 812 Lexington avenue.
- Cohn, Solomon, A.B., 44 Bowery.
- Dalton, Wm. A., B.S., teacher, 983 East 175th street.

- Daly, William H., A.B., 188 Lexington avenue.
- Eckert, Louis, B.S., 1127 Park avenue.
- Eisman, H., Seymour, A.B., 124 East 74th street.
- Emery, Dean, B.S., teacher, 1661 Washington avenue, Tremont.
- Erdman, William, A.B., 14 East 78th street.
- Fischer, Edwin Philip, B.S., 33 West 92d street.
- Fischer, Joseph, A.B.
- Flynn, Henry S. J., A.B., 110 West 29th street.
- Friedmann, Hermann George, B.S., 922 East 138th street.
- Goldhammer, Adolph, B.S., 335 East 69th street.
- Graff, Horace M., A.B., 40 West 83d street.
- Green, Charles, A.B., 825 Lexington avenue.
- Haffner, Charles A., A.B., 655 Water street.
- Haller, Edwin A. F., B.S., 124 West 28th street.
- Haney, John D., B.S., 1233 Third avenue.
- Hesselbach, Charles V., A.B., 93 Lexington avenue.
- Hillebrandt, Oscar von, B.S., 191 Forsyth street.
- Holden, Edwin C., B.S., 17 West 132d street.
- Hyman, Solomon, B.S., 171 East 94th street.
- Jacobus, Emanuel, B.S., 357 East 50th street.
- Katz, Maurice J., A.B., 291 Henry street.
- Kinkeldey, Carl W., A.B., teacher, 41 East 132d street.
- Kohler, Edgar J., A.B., 115 East 71st street.
- Levin, Henry M., B.S., 317 East 79th street.
- Levussove, Moses S., B.S., 1930 Third avenue.
- Levy, Louis, A.B., 816 Lexington avenue.
- Lewis, Milton S., A.B., 57 East 65th street.
- McNally, Edward J., B.S., teacher, 1759 Madison avenue.
- Martin, George K., B.S., Kingsbridge Road, Fordham, N. Y.
- Mayer, Henry William, A.B., 843 Lexington avenue.
- Moore, Fred. W., B.S., 320 East 30th street.
- Neus, Engelbert, B.S., 454 East 116th street.
- Reynolds, James J., B.S., 133 East 115th street.
- Ruhl, Henry Clay, A.B., 520 Lowell street.
- Schmuck, Peter, B.S., 320 West 39th street.
- Schnurer, Berthold, B.S., 60 East 116th street.
- Schnepel, John Henry, B.S., 265 West 22d street.
- Schum, Charles H., B.S.
- Schutz, Samuel M., A.B., 155 West 85th street.
- Seufert, William Marshall, B.S.
- Shilansky, Michael, B.S., 247 East Broadway.
- Shoenfeld, Leonard B., B.S., 14 East 76th street.
- Smith, Frederick L., A.B., Albany avenue, Kingsbridge.
- Stanton, Gilman Shattuck, B.S. buyer, 31 West 71st street.
- Steinberger, Victor, A.B., 342 East 51st street.
- Stern, Arthur, B.S., 55 West 50th st.
- Stock, Henry, Jr., B.S., 349 Seventh avenue.
- Tenner, Arthur S., A.B., 1285 Columbus avenue.
- Thompson, Robert William, Jr., A.B., 229 West 97th street.

Timme, Walter, B.S., 199 Lexington avenue.
 Tucker, Fitz-Henry Fay, B.S., 145 West 123d street.
 Ulfelder, Sidney, A.B., 335 East 65th street.
 Urban, Adolph, Jr., B.S., 336 West 29th street.
 Weinhandler, Sampson H., A.B., 319 East 17th street.
 White, John, Jr., B.S., 117 East 82d street.
 Zabriskie, Edward Cornell, B.S., 200 East 20th street.
 Zinkie, Louis, A.B., 129 West 97th street.

1894.

Barrett, Sidney H., A.B., student, Union Theo. Seminary, 313 Hancock street, Brooklyn.
 Beaubian, Charles S., A.B., 1343 Broadway.
 Beckhardt, Moses, B.S., 138th street and Amsterdam avenue.
 Brandeis, Julian W., B.S., 113 East 122d street.
 Cahn, Emanuel S., B.S., 161 East 79th street.
 Clarke, Alfred Bancroft, B.S., 206 East 20th street.
 Derleth, Charles, Jr., B.S., civil engineer, 674 East 135th street.
 Dewey, John A., B.S.
 Donohue, Thomas Martin, B.S., 1240 Franklin avenue.
 Douglas, John, B.S., 145 West 81st street.
 Ehrlich, Jesse W., A.B., 54 West 75th street.
 Eising, Eugene H., B.S., 6 East 66th street.
 Fox, David Joseph, B.S., 127 East 79th street.
 Frank, Jerome, B.S., 112 East 79th street.
 Freund, Charles J., B.S.

Frey, Louis Joseph, B.S., 1879 Madison avenue.
 Friesner, Gidore, A.B., 206 East 58th street.
 Gage, Stanley A., B.S., 341 West 54th street.
 Gold, Wm., B.S., 19 Carmine street.
 Goldrich, Leon W., B.S., 27 Prince street.
 Green, Leo, A.B., 826 Lexington avenue.
 Greenbaum, Samuel W., A.B., 166 East 103d street.
 Griffin, Bradney Beverly, B.S., 2058 Vanderbilt avenue.
 Haas, Arthur C., A.B., 1763 Madison avenue.
 Haas, Leopold Frederick Wm., B.S., 105 East 75th street.
 Hartman, Edward Max Martin, B.S., 1391 Washington avenue.
 Herzog, Harry Louis, B.S., 127 East 72d street.
 Heylman, Henry B., A.B., 561 Buckhout street, Mt. Hope, Tremont.
 Hirsh, Wm. H., A.B., 265 West 21st street.
 Hyman, Julius, A.B.
 Klein, Leo W., A.B., 132 East 94th street.
 Knowles, Frank T., A.B.
 Kurz, William F., Jr., B.S., 116 2d street.
 Laski, Leon, B.S., 271 West 36th st.
 Lefkowitz, David, B.S., 138th street and Amsterdam avenue.
 Levy, Samuel, B.S., lawyer, 280 Broadway.
 Martin, Edward J., B.S., 436 Lenox avenue.
 McCormack, Richard F., B.S., 39 Bedford street.
 Meyer, Leo B., A.B., 2069 Madison avenue.
 Michaelis, Alfred, A.B., medical student, 53 St. Mark's Place.

Naumberg, Bernard, A.B., tutor,
17 Lexington avenue.
O'Neill, Charles E., A.B., 231 Cen-
tre street.
Oppenheimer, Milton B., B.S., 1037
Fifth avenue.
Paskusz, Benjamin G., A.B., 242
East 72d street.
Pick, Louis, A.B.
Rosenbaum, Alexander, A.B., 204
West 41st street.
Rosenstein, Walter J., B.S., 33 East
63d street.
Rourke, Cornelius Stephen, B.S.,
201 East 71st street.
Rundquist, Emil A., B.S., 17 West
54th street.
Savage, José Ramon Fernandez,
B.S., 344 West 123d street.
Schlockow, Oswald, B.S., 154 Ave-
nue C.
Silberstein, Elias, A.B., 218 East
70th street.
Strasburger, Edgar, B.S., 354 Cen-
tral Park West.
Turrell, Guy H., A.B.
Walsh, Michael Raphael, A.B.,
teacher, G. S. 49, 250 West 113th
street.
Weschler, Jacob C., A.B., 240 East
30th street.
*Wiener, Friedrich, A.B.
Wurtz, Lionel, B.S., 2149 Seventh
avenue.

1895.

Adler, Maximillian L., B.S.
Allen, Wm. Cremer, B.S., teacher,
324 West 48th street.
Allmuth, Frank A., B.S., 161 East
72d street.
Appel, Israel, B.S.
Bennett, Thomas Archie, B.S., 72d
street and Central Park West.

Bloomberg, Harry A., B.S., mer-
chant, 841 Broadway.
Boyer, Wilbur Sarles, B.S., Morris
Heights.
Burke, John J., A.B., 156 East 48th
street.
Cairns, Bayard S., A.B., 40 Grove
street.
Cameron, Walter S., A.B., student,
239 West 136th street.
Curtis, Harry J. A., B.S., 142 East
36th street.
Davidson, Israel, A.B., 110 East
Broadway.
Deignan, J. Herbert, A.B., 854 East
134th street.
Dillenberg, Joseph, B.S., 325 East
62d street.
Dryfoos, Arthur D., A.B., 22 West
69th street.
Ehrhorn, Oscar Weeks, A.B., 215
Ninth avenue.
Eisner, Jerome, B.S., 158 East 72d
street.
Elias, Heyman Ralph, A.B., 95
7th street
Fisher, Henry, B.S.
Flaum, Julius Arthur, A.B., 156
Rivington street.
Friedman, Joseph P., A.B., 32
Ridge street.
Galicenstein, Clarence, B.S., tutor,
129 West 132d street.
Guion, Clarence Childs, A.B., 1383
Washington avenue
Heymann, Everett Bernard, A.B.,
66 East 81st street.
Hirsch, I. Henry, B.S., 59 East 86th
street.
Hudson, Wilbur G., B.S., 73 West
131st street.
Krowl, Harry C., A.B., tutor, 17
Lexington avenue.
Langer, Samuel, B.S., 138th street
and Amsterdam avenue.

* Deceased.

Lewis, Maurice Barnett, B.S., 235
Division street.
Litter, Ferdinand J., B.S.
Lockhart, Robert J., A.B., 312
West 21st street.
Loos, Hermann Andreas, B.S.,
teacher, 119 East 115th street.
Lucke, Charles E., B.S., Marble
Hill, Kingsbridge.
Mack, Mortimer Clarence, B.S.,
silver smelter, 228 West 82d street.
Mahoney, Jeremiah Titus, A.B., 118
East 93d street.
Martin, Harold Metcalf, B.S., 311
West 101st street.
Mehrtens, Henry Edward, B.S., 280
Third avenue.
Mohr, Albert Gustav, A.B., mer-
chant, 17 Bedford street.
Neill, John Campbell, A.B., 128
West 100th street.
O'Grady, Cornelius, A.B., 1062
Forest avenue.
Reich, Sigmund, A.B., 239 East
104th street.
Roberts, John Stacey, B.S., 1590
Lexington avenue.
Robinson, Franklyn Whittman, B.S.,
620 East 135th street.
Rosenbaum, William, B.S., mer-
chant, 253 West 121st street.
Saunders, George Crosby, B.S., 104
West 93d street.
Schafransky, Leo, B.S., 1644 Madi-
son avenue.
Smith, John P., A.B., 355 West 17th
street.
Stark, Meyer Maurice, A.B., 87
Baxter street.
Stiefel, Otto August, A.B., 68 East
122d street.
Sullivan, Franklin Curtis, A.B.,
1050 Trinity avenue.
Tarler, A. Lawrence G., B.S., 425
East 116th street.
Tombo, Rudolf, Jr., B.S., 2 Ridge
Place, Mott Haven.

Wechsler, Martin, A.B.
Wechsler, Walter Mortimer, B.S.,
132 West 74th street.
Weil, Alfred, B.S., law student, 172
East 94th street.
Werdenschlag, Arthur, B.S., 140
West 48th street.
Woolf, Harry, B.S., 138th street
and Amsterdam avenue.

1896.

Alexander, Jerome, B.S., 39 East
60th street.
Barit, Samuel, A.B.
Bernstein, Eugene P., B.S., 227
East 116th street.
Beyer, Emil, B.S., 401½ East 70th
street.
Carlson, Carl Oscar, B.S., teacher,
878 Lexington avenue.
Clark, George M., B.S., 613 East
136th street.
Corse, Arthur W., A.B., 129 West
94th street.
Crandell, Paul Morgan, B.S., 47
West 126th street.
Cunningham, Joseph Atwood, A.B.,
129 6th street, Long Island City.
Curtis, T. Adrian, A.B., 142 East
36th street.
Dreyfus, Fred. J., A.B., 45 East
92d street.
Ehrhard, William Joselin, A.B.,
305 East 39th street.
Ellis, Rudolph Pell, B.S., Ridge-
wood, N. J.
Ellison, Millard Henry, A.B., 48
East 87th street.
Fernbach, Robert Livingston, B.S.,
228 East 61st street.
Ferris, George Joseph, B.S., 87
Dey street.
Finesilver, Louis, B.S., 130 East
Broadway.
Flanagan, Edward, B.S., 473 East
150th street.

- Franklin, William Kernan, A.B., 95 Greenwich avenue
- Gandolfo, Joseph Harrington, B.S., merchant, 142 West 105th street.
- Gershel, Milton, B.S., 69 East 121st street.
- Glück, Emil, A.B., 138th street and Amsterdam avenue.
- Goldberg, Lawrence, B.S., 316 East 116th street.
- Greenbaum, Max, A.B., 354 East Houston street.
- Hamburger, Max Sigmund, A.B., 222 East 58th street.
- Heil, Joseph S., B.S., 63 E. 127th st.
- Hoffman, Samuel, A.B., teacher, 425 East 80th street.
- Hollander, Edward, A.B., 165 East 49th street.
- Hubschmitt, A. Wendell, A.B., 408 East 52d street.
- Hunt, Frederic Lincoln, A.B., 318 West 121st street.
- Jacobowitz, Louis, B.S., 1729 First avenue.
- Jameson, Charles B., A.B., 47 West 119th street.
- Jasper, J. Harper, A.B., 130 West 123d street.
- Kasner, Edward, B.S., 52 Catherine street.
- Kempner, Milton, A.B., 165 Monroe street.
- Kennedy, Jno. S., A.B., 128 West 102d street.
- Kenney, Edward Joseph, A.B., 408 Madison street.
- Knox, Herbert Allan, A.B., 472 Mott avenue.
- Kridel, Alexander Hayes, B.S., 15 East 77th street.
- Kues, George August, B.S., 534 East 82d street.
- Lawyer, Louis Rossell, B.S., 342 West 32d street.
- Lee, James J. A., B.S., 235 East 124th street.
- Lese, Frederick, B.S., 231 East 60th street.
- Levine, David, A.B., 736 Lexington avenue.
- Levy, Henry, A.B., 333 East 84th street.
- Lippe, Adolphus A., B.S., 681 East 139th street.
- McDowell, Alexander Henry, B.S., 457 West 21st street.
- Marks, Louis, B.S., 230 East 68th st.
- Martin, Norman, A.B., 786 East 142d street.
- Martin, Thomas A., B.S., 436 Lenox avenue.
- Martin, U. F., B.S., West New Brighton, Staten Island.
- Moschcowitz, Eli, A. B., 364 West 55th street.
- Mund, Conrad, A.B., 308 East 62d street.
- Murray, Hugh Charles, A.B., 67 West 96th street.
- Petersen, August H., B.S., 848 East 135th street.
- Peyser, Harold, B.S., teacher, 348 East 78th street.
- Phillips, Harold M., B.S., 221 Division street.
- Plonsky, Samuel Edward, A.B., 50 West 88th street.
- Pokorny, Rudolph C., B.S., 501 East 71st street.
- Rippe, L. Maurice, B.S., 24 Division street.
- Rosensohn, William, A.B., 49 Eldridge street.
- Rosett, Louis J., A.B., 1676 Avenue A.
- Scherr, Emilius William, Jr., A.B., 2067 Seventh avenue.
- Schlueter, Edward H., A.B., 528 East 12th street.
- Schoedel, Frederick, Jr., A.B., 136 First avenue.
- Schoenfeld, Jacob Mylburn, B.S., 293 7th street.

Sindelar, Charles, B.S., 1506 Avenue A.
 Sladovnik, Charles, A.B., 332 Hill street, Long Island City.
 Smallen, Hugh Jerome, B.S., 352 College avenue.
 Sommerich, Otto C., A.B., 572 Park avenue.
 Strobel, August C., B.S., 2308 First avenue.
 Strobel, Walter E., B.S., 164 West 105th street.
 Taylor, Albert Steele, B.S., 838 East 165th street.
 Thellusson, Charles F., A.B., 204 Elm street.
 Truckenbrodt, Lewis, B.S., 222 East 75th street.
 Valentine, Morris Crawford, A.B., 259 West 31st street.
 Vermilya, Frank Bayles, A.B., 36 West 128th street.
 Volckhausen, William Caspar, B.S., 169 East 73d street.
 Wagner, Oscar, B.S., 60 East 93d street.
 Wechsler, Samuel, B.S., 250 East 60th street.
 Wright, Alfred A., B.S., 163d street and Sheridan avenue.
 Zevie, Simon, B.S., 82 Division street.

1897.

Anspacher, Louis Kaufman, A.B., 18 East 119th street.
 Arnstein, Max L., A.B., 114 East 72d street.
 Berger, John, B.S.
 Bernheimer, Clarence Gans, B.S., 156 West 97th street.
 Billo, Otto, B.S., 413 East 80th street.
 Bing, Alexander M., B.S., student, 21 West 88th street.

Birnbaum, Martin, A.B., law student, 939 Second avenue.
 Boroschek, Leopold, B.S., 149 East 56th street.
 Boyd, William B., B.S., student of architecture, 40 Perry street.
 Breitwieser, Hubert Frederick, B.S., tutor, 17 Lexington avenue.
 Browne, Robert L., A.B., 207 West 16th street.
 Brustlein, Charles H., B.S., 108 Lexington avenue.
 Buerger, Leo, A.B., 204 East 116th street.
 Chankin, Joseph, B.S., 14 St. Mark's Place.
 Cohen, Hyman, B.S., law student, 11 Montgomery street.
 Coleman, William A., A.B., 850 Lexington avenue.
 Compton, Alfred D., B.S., tutor, 40 West 126th street.
 Dearborn, Frederick Myers, A.B., medical student, 146 West 57th street.
 Diamant, Arthur H., B.S., 4 East 97th street.
 Donohue, Thomas, B.S., 155 East 84th street.
 Doob, Irving Ephram, B.S., 219 East 61st street.
 Dorland, George W., B.S., teacher, 361 Bleecker street.
 Dunn, Harris Ashton, B.S., 223 Central Park West.
 Elgas, William Taylor, A.B., 121 West 87th street.
 Findlay, Walter, B.S., 318 West 18th street.
 Foehrenbach, Herman P., A.B., medical student, 409 West 46th st.
 Fox, Solomon W., A.B., 345 Spring street.
 Fried, Isidor, A.B., 732 East 6th street.
 Garrety, Wm. Plymon, B.S., 340 West 27th street.

- Geoghegan, Joseph G., B.S., 20 East 73d street.
- Geoghegan, Walter F., A.B., 20 East 73d street.
- Goldwasser, Israel Edwin, B.S., teacher, 171 East 105th street.
- Gombarts, George, A.B., 69 Columbia street.
- Goodman, Maurice, B.S., 354 East 4th street.
- Grady, William E., B.S., teacher, 419 East 87th street.
- Harris, Maxwell S., A.B., 63 Monroe street.
- Heller, Bernard S., B.S., student, Graham House, corner 89th street and Madison avenue.
- Hoffman, Mark, B.S., 49 Attorney street.
- Jacobson, Samuel, B.S., 123 East 82d street.
- Jellinghaus, C. Frederick, A.B., 45 St. Mark's Place.
- Joseph, Louis, B.S., 146 Clinton street.
- Kaempffert, Waldemar B., B.S., journalist, 320 West 106th street.
- Krampner, William, A.B., 262 East Houston street.
- Lieberman, John, A.B.
- Ludwig, Augustus, B.S., 209 East 109th street.
- McGuire, Clarence K., B.S., 104 Bank street.
- Mandel, Morris, A.B., 736 Lexington avenue.
- Michael, George Washington, B.S., student of pedagogy, 1600 Avenue A.
- Morrison, Charles Edward, B.S., 103 West 56th street.
- Newman, Joseph, A.B., 79 East 124th street.
- Patri, Angelo, A.B., teacher, 2184 First avenue.
- Paul, Francis H. J., A.B., student, 444 West 33d street.
- Platt, Mark C., B.S., law student, 306 West 139th street.
- Pugliese, Anthony, A.B., teacher, 279 Pleasant avenue.
- Radgik, Abraham, B.S., 185 Henry street.
- Rafferty, James A., A.B., student, 157 West 63d street.
- Ray, David Heydorn, A.B., 416 West 55th street.
- Reinhardt, Emanuel, A.B., medical student, 243 7th street.
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- Rich, Albert G., B.S., 164 West 88th street.
- Roberts, Arthur Joseph Dean, B.S., student, 1591 Lexington avenue.
- Roll, John Krapp, A.B., 147 East 92d street.
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- Rosenberg, Samuel, B.S., 119 Clinton Place.
- Rupprecht, Hugo, B.S., 622 Eighth avenue.
- Salant, Aaron B., B.S., 348 East 78th street.
- Schlosser, Jacques Bach, B.S., piano manufacturer, 2 East 92d street.
- Schmid, Chas. P., Jr., B.S., 25 Beekman Place.
- Schroeder, Louis J., B.S., assistant engineer, 55 East 11th street.
- Schultz, Alfred Paul, A.B., 288 Broome street.
- Schwed, Frederick Osborne, A.B., 127 East 72d street.
- Simmons, Maurice, B.S., law student, 75 Madison street.
- Sinclair, Upton B., Jr., A.B., 410 West 23d street.
- Spingarn, Alexander, B.S., 31 Division street.
- Springmeyer, Charles Edwin, A.B. 522 East 119th street.

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Stern, Arthur Joseph, A.B., 230 East 72d street.	Vogt, Charles A. M., B.S., 619 East 157th street.
Stern, Simon Theodore, A.B., 75 West 91st street.	Wade, John Edgar, B.S., teacher, 63 Bank street.
Stern, Sidney Wilfred, A.B., 101 East 81st street.	Weinberg, Ralph, A.B., 166 E. 72dst.
Swan, Giles J., A.B., 160 West 29th street.	Whiteside, Donald Grant, B.S., tutor, 251 West 133d street.
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ROBERT KELLY.

THOMAS DENNY.	SAMUEL A. CRAPO.
JOSEPH S. BOSWORTH.	WILLIAM T. PINKNEY.

1849.

ROBERT KELLY.

THOMAS DENNY.	SAMUEL A. CRAPO.
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1850.

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WILLIAM T. PINKNEY.	JEREMIAH FOWLER.

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THOMAS DENNY.	CHARLES J. DODGE.
ERASTUS C. BENEDICT.	

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1858.

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HUGH G. CROZIER.

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1865.

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1866.

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1870.

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1871.

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NATHANIEL SANDS.	SAMUEL A. LEWIS.

1872.

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SAMUEL A. LEWIS.	HOOPER C. VAN VOORST.
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1873.

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CHARLES STRAUSS.	JOHN L. N. HUNT, LL.D.
ALEXANDER S. WEBB, LL.D.	

1893.

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R. DUNCAN HARRIS.	JOHN L. N. HUNT, LL.D. 
CHARLES STRAUSS.	ADOLPH L. SANGER.
ALEXANDER S. WEBB, LL.D.	

1894.

R. DUNCAN HARRIS,

In place of CHARLES L. HOLT, resigned.

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JAMES W. McBARRON.	EMILE BENEVILLE.
CHARLES STRAUSS.	ROBERT MACLAY.
JAMES A. GOULDEN.	CHARLES H. KNOX.
ALEXANDER S. WEBB, LL.D.	

1895.

ALEXANDER P. KETCHUM,

In place of R. DUNCAN HARRIS, resigned.

EMILE BENEVILLE.	AUGUSTE P. MONTANT.
JOHN L. N. HUNT, LL.D.	JAMES W. McBARRON.
JOSEPH A. GOULDEN.	WILLIAM H. HURLBUT.
GEORGE LIVINGSTON.	HUGH KELLY.
JOSEPH J. LITTLE.	CHARLES STRAUSS.
EDWARD P. STEERS.	ALEXANDER S. WEBB, LL.D.

1896.

ALEXANDER P. KETCHUM.

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HUGH KELLY.	AUGUSTE P. MONTANT.
JACOB W. MACK.	CHARLES STRAUSS.
JOSEPH J. LITTLE.	JOSEPH A. GOULDEN.
HENRY W. TAFT.	ALEXANDER S. WEBB, LL.D.

1897.

ALEXANDER P. KETCHUM.

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WILLIAM H. HURLBUT.	AUGUSTE P. MONTANT.
JOSEPH J. LITTLE.	HENRY W. TAFT.
OTTO T. BAUMAN.	ROBERT MACLAY.
ALEXANDER S. WEBB, LL.D.	

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Professor of Mathematics and Natural Philosophy, November 1,
1848—May 16, 1851.

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Assistant Professor of Mathematics and Natural Philosophy, No-
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September 1, 1879.

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Professor, 1869—1879.

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JOSEPH F. MULQUEEN, A.M., LL.B.,	1880-91
ROBERT HOUSTON,	1885-93
H. WHEELER POWELL, B.S.,	1888-92
FREDERIC E PERHAM, B.S., LL.B.,	1888-94
LIVINGSTON SCHUYLER, A.B.,	1889-91
LOUIS H. PULLMAN, B.S.,	1890
WENZEL A. RABOCH, B.S.,	1890
ARTHUR F. J. REMY, A.B.,	1891-94
LOUIS FENNEBRESQUE, B.S.,	1889-94
HARVEY F. MITCHELL, M.E.,	1884-93
FRANZ SIGEL, JR., B.S.,	1892-96
GEORGES AUGÉ,	1892-97
WALTER TIMME, B.S.,	1893-97

FELLOWS.

JOHN HAMPDEN DOUGHERTY, A.B., LL.B.,	1871
CHARLES EDWARD LYDECKER, B.S., LL.B.,	1871
MARTYN SUMMERBELL, A.M.,	1871
ARTHUR BEACH, M.D.,	1872
ADOLPHUS HENRY STOIBER, A.M., LL.B.,	1872
JOHN BACH McMASTER, A.B.,	1872
EMANUEL HOCHHEIMER, M.D.,	1872

REGISTRARS.

WILLIAM OLAND BOURNE, A.M.,	1852-54
JOSEPH OAKLEY NODYNE, A.M.,	1854-63
JOHN H. CHAMBERS,	1863-69
NATHANIEL W. BLUNT,	1869-70
JOHN T. CUMING,	1870-73
ROBERT W. CANA,	1873-91

ASSISTANTS IN THE CHEMICAL LABORATORY.

JAMES RANDOLPH BRANT, A.B.,	1855-59
SIMON FRAZER MACKIE, A.M.,	1859-63
ASA WILLIAM WILKINSON, M.D.,	1863-82

JANITORS.

NICHOLAS SEEBER,	1848-58
GROSVENOR WATERS,	1858-62
JOSEPH DELANEY,	1862-69
JOHN BONNEY,	1869-80
JOHN BELL,	1881-83

STUDENTS.

SENIOR CLASS.

Ackerman, William, 371 West 117th street.
Anderson, Charles Melville, 74 West 92d street.
Arnold, Felix, 710 Third avenue.
Aronson, David A., 261 Henry street.
Aronson, Jacob, 241 East 116th street.
Bayne, Stephen Fielding, 504 West 166th street.
Bernstein, Solomon, 9 Attorney street.
Boecker, Alexander, 237 East 28th street.
Brandt, Maurice, 125 Norfolk street.
Braun, Alfred, 121 East 112th street.
Breitwieser, Herman George, 311 East 87th street.
Broder, Nathan, 45 Eldridge street.
Buerger, Charles, 164 West 133d street.
Bullwinkel, William H., 665 Tenth avenue.
Cavagnaro, John J., 16 Macdougall street.
Cohen, Max, 310 West 33d street.
Coleman, Samuel F., 320 West 37th street.
Collins, Christopher D., 322 East 37th street.
Colwell, Lino M., 365 West 27th street.
Cottle, George F., 1 Gramercy Park.
Crooker, Frederick F., 50 West 126th street.
Dickheiser, Saul Jac., 142 Clinton st.

Eberhardt, Henry A., 253 West 35th street.
Ernst, Bernard M. L., 233 West 113th street.
Fine, David C., 247 East Broadway.
Fisch, Perez, 236 Delancey street.
Fischer, Bernard William, 227 West 37th street.
Fischer, Saml. M., 106 East 81st street.
Fishel, Mortimer, 149 East 78th street.
Frank, Julius, 95 Ludlow street.
Friedmann, Henry, 292 2d street.
Gartlan, Eugene B., 245 East 116th street.
Gartlan, J. Henry, 245 East 116th street.
Goldberger, H. Harold, 128 Cannon street.
Green, James, 203 Seventh avenue.
Hamburg, Edwin Charles, 157 West 118th street.
Hammond, William K., Jr., 324 West 29th street.
Hanson, Arthur Taber, 145 West 121st street.
Herbert, LeRoy Bedford, 145 East 51st street.
Herman, Sidney Hubert, 54 East 80th street.
Holloway, J. Henry, 333 Alexander avenue.
Hottenroth, Frederick W., 668 East 134th street.
Isaacs, Michael, 175 East Broadway.
Kaiser, E. M., 1 West 81st street.

Kinkeldey, Otto, 41 East 132d st.
 Klein, A. W., 610 East 5th street.
 Krehbiel, Otto Frederick, 16 West 120th street.
 Kunzmann, John Francis, 79 West 101st street.
 Lederman, J. Delmore, 128 East 60th street.
 Lesser, Jacob J., 103 Forsyth street.
 Leventhal, Harry, 228 East Broadway.
 Lewis, Moses, 143 Orchard street.
 Magewirth, Julius O., care of Mrs. O. Lauer, Decatur avenue, corner 199th street, Bedford Park.
 Mágie, John E., 17 West 119th st.
 Menline, Joseph Spencer, 356 East 69th street.
 Meyer, Julian Jacques, 2065 Madison avenue.
 Myers, David, 108 East 55th street.
 Nicholson, Douglas, 204 West 121st street.
 Pascal, Joseph L., 2357 Eighth avenue.
 Pasternack, Nathaniel, 76 Lewis st.
 Peyser, William, 348 East 78th st.
 Pfletschinger, Frederik, 184th street and Tiebout avenue.
 Philip, Maximilian, 52 Sheriff st.
 Pretzfeld, Howard F., 59 East 83d st.
 Radin, Herman Theodore, 347 East 116th street.
 Reed, William Clarence, 406 West 19th street.
 Riederer, Herman S., 145 West 94th street.
 Rosenovsky, Ellis L., 36 Henry st.
 Rosensohn, Samuel J., 49 Eldridge street.
 Salant, Louis, 348 East 78th street.
 Scheider, Frederick Marie, 187 East 64th street.
 Scott, Allan, 258 West 24th street.
 Shattuck, Leslie Calhoun, 213 West 106th street.
 Silk, Morris, 375 Greenwich street.
 Silverman, Samuel, 333 Stanton st.
 Slavik, William, 40 Avenue B.
 Smolovitz, Abram, 307 East 8th st.
 Sobel, David, 148 Henry street.
 Spitzka, Edward Anthony, 712 Lexington avenue.
 Stantial, Robert Sumner, 540 East 163d street.
 Stern, Adolph, 494 Grand street.
 Tennant, George G., 593 Third avenue.
 Theobald, Jacob, 542 East 11th st.
 Teven, Sidney L., 238 East 7th st.
 Viertel, Samuel, 82 East 121st st.
 Wagner, Robert Ferdinand, 731 East 138th street.
 Weizenhoffer, Adolph, 167 Avenue B.
 Worm, Oscar Rudolph Waldimar, 548 East 87th street.
 Weil, Irving Henry, 2145 Seventh avenue.
 Weinberger, George Gabriel, 536 East 83d street.
 Wolfson, Stanley, 128 East 56th st.
 Yuzzolino, Albert M., 81 Baxter street.
 Ziegler, Charles Edward, Boscobel avenue and High Bridge street.

JUNIOR CLASS.

Aarons, Sidney H., 130 East 76th street.
 Abelson, Paul, 250 Henry street.
 Apfel, Charles Lionel, 171 Livingston street.
 Baer, Jules Henry, 446 West 43d st.
 Bandler, Maurice Edward, 60 West 51st street.
 Barry, Joseph T., 441 East 23d street.
 Bastine, Arthur Randolph, 112 East 19th street.

Beck, Samuel Saul, 640 East 6th street.
 Benda, Harry Robert, 355 West 24th street.
 Bleich, Samuel David, 727 East 5th street.
 Bloch, Bernhard, 40 Attorney st.
 Block, Lewis Moses, 104 Delancey street.
 Block, Samuel John, 86 East 111th street.
 Bloomfield, Meyer, 26 Delancey street
 Bluhm, Julius, 321 East 79th street.
 Bodenheimer, Milton, 336 East 50th street.
 Boyd, Robert Wright, 40 Perry street.
 Boyer, Walter LeC, Morris Heights
 Bracker, M. H., 97 Second avenue.
 Brand, Samuel, 246 East 27th street.
 Brockway, Bert. G., 231 Brook avenue.
 Browne, John, 207 West 16th street.
 Brummer, Sidney D., 201 West 85th street.
 Bullowa, Jesse Godfrey M., 46 East 66th street.
 Burger, Henry Samuel, 32 Pitt street.
 Camera, Americo Ulysses N., 245 Elizabeth street.
 Caplan, Elias Nathan, 162 Madison street.
 Chambers, Bernard, 33 Stanton street.
 Cohen, Louis J., 11 Montgomery street.
 Condon, George S., 177 West 101st street.
 Cremin, Wallace L. J., 848 Lexington avenue.
 Davidoff, Henry, 139 Madison street.
 Davidson, Gabriel, 67 East 111th street.
 Dryfuss, Barney Joachim, 337 East 41st street.

Edelstein, Goodman, 26 Suffolk street.
 Eichler, Menahem Max, 736 Lexington avenue
 Elgas, Matthew J., Jr., 121 West 87th street.
 Epstein, Simon, 317 Madison street.
 Felberg, Aron., 15 Montgomery street.
 Flatow, Sol. L., 232 Eldridgestreet.
 Frank, Joseph S., 308 West 90th street.
 Friedenrich, Oscar W., 26 West 97th street.
 Freudenheim, Sol., 13 West 119th street.
 Geissler, Adolph, 251 East 50th street.
 Gibney, Eugene Clarence, 470 West 150th street.
 Gilbert, Walter Merwin, 637 Walton avenue.
 Goldberg, Samuel, 116 Stanton st.
 Goldstein, David T., 252 Delancey street.
 Goodfriend, Nathan, 9 Avenue C.
 Goodman, Elias B., 409 East 6th street.
 Grassi, Otto Joseph Anthony, 66 West 119th street.
 Greenstein, Marx B., 39 East Broadway.
 Gregory, Percival, 140 West 38th street.
 Hirschthal, Meyer, 127 Rivington street.
 Hirsdansky, Simon, 121 Henry street.
 Holzman, Ralph M., 132 East 74th street.
 Israeli, Phineas, 736 Lexington avenue.
 Jacobs, Louis, 135 Rivington street.
 Jenkins, Raeburn William, 173 West 85th street.
 Knipe, William Hugh Wellington, 353 West 24th street.

Kommel, Louis, 82 East Broadway.
 Kramer, Isaac, 431 Grand street.
 Krauss, Louis, 418 East 73d street.
 Lazarowitz, Jacob, 26 Eldridge street.
 Levy, Aaron W., 307 East 21st street.
 Lewis, Samuel J., 217 East 106th street.
 Lichtenstein, George, 423 East 77th street.
 Loew, John Tobias, 10 Amsterdam avenue.
 Loewenbaum, Uriel Mitchell, 336 East 123d street.
 McGowan, William E., 244 East 20th street.
 Marks, Maurice E., 1034 Lexington avenue.
 Mead, Nelson P., 405 West 17th street.
 Mehrlust, Jacob, 173 2d street.
 Mendelsohn, Henry, 154 Stanton street.
 Menges, Philip C., 451 West 48th street.
 Méras, Amédée, Elmhurst, L. I.
 Meyers, Harold, 140 East Broadway.
 Michailovsky, Benjamin, 130 East 104th street.
 Mohr, Edward H., 17 Bedford street.
 Moses, Montrose Jonas, 252 West 84th street.
 Moskowitz, Henry, 140 Forsyth street.
 Newman, Charles Joseph, 168 Clinton street.
 Penney, Clarence John, 104 East 55th street.
 Radin, Max, 347 East 116th street.
 Raphaelson, Samuel J., 102 East Broadway.
 Reinhardt, Maurice, 148 East 89th street.
 Ritter, Julius, 233 East 4th street.
 Roos, Oscar C., 2025 Washington avenue, Tremont.
 Rosenberg, Louis, 57 East 104th street.
 Sable, Louis A., 68 East 122d street.
 Saxe, Bernhard D., 116 Division street.
 Schmid, Ernest E., 25 Beekman Place.
 Schnepel, Geo. A., 6 West 66th street.
 Schwartz, Leon, 149 Chrystie street.
 Seligmann, Rudolph Albert, 124 East 80th street.
 Sheridan, James Walter, Webster avenue, Bedford Park.
 Shufro, Jacob Jay, 11 Eldridge street.
 Shulman, Morris, 304 East 125th street.
 Sill, Arthur Morrell, 1196 Park avenue.
 Skrivanek, Joseph, 1125 Intervale avenue.
 Smith, Havilah Medless, 71 Perry street.
 Smith, Reginald Heber, 393 Lenox avenue.
 Solis-Cohen, Leon M., 1270 Madison avenue.
 Solomon, Arthur L., 344 West 145th street.
 Solomon, Isaac R., 841 Third avenue.
 Solow, Alexander S., 105 East 88th street.
 Sperling, Frederick William, 211 West 45th street.
 Starr, Frederick, 10 East 113th street.
 Steele, George William, 112 East 104th street.
 Steindler, Harry, 308 West 121st street.
 Stern, Albert, 494 Grand street.
 Stratton, Deane, 2013 Fifth avenue.
 Strodl, George T., 183 Grand street.
 Strauss, Charles Augustus, 107 East 73d street.

Strouse, Alexander Louis, 122 East 86th street.
 Sundheimer, Malcolm, 38 West 76th street.
 Supnik, Henry, 214 East 3d street.
 Swick, David A., 105 East 2d street.
 Taschman, Max, 30 Norfolk street.
 Timme, Waldemar, 1062 Eastern Boulevard.
 Weiss, Jacob Eugene, 187 Avenue B.
 Weissman, Max, 328 Stanton street.

Whiteside, George Walter, 251 West 133d street.
 Wood, Wilson G., 61 East 25th street.
 Woolf, Samuel Johnson, 832 West End avenue.
 Woticky, Edward, 318 East 77th street.
 Wund, William F., 327 East 30th street.
 Zellermayer, Maurice Louis, 434 East 15th street.

SOPHOMORE CLASS—CLASSICAL COURSE.

Abramowitz, Herman, 736 Lexington avenue.
 Adams, Robert A., 16 St. Nicholas Place.
 Asch, Joseph Jefferson, 770 Lexington avenue.
 Bandler, Clarence Garfield, 1050 Boston avenue.
 Block, Mark, 222 East Broadway.
 Bopp, Walter F., 39 7th street.
 Brand, Samuel, 206 East 104th street.
 Brandmarker, J. Leon, 72 Clinton street.
 Brinckerhoff, Gilbert G., 1350 Fulton avenue.
 Buchler, William Paul, 70 West 119th street.
 Bullowa, Ralph James M., 46 East 66th street.
 Clapp, Frederic M., 353 West 15th street.
 Damon, Albert H., 201 West 124th street.
 David, Frank Haines, 33 West 126th street.
 Davidson, Isidor, 67 East 111th st.
 Davidson, Joseph, 101 East 116th street.
 Dixon, John J. F., 32 West Houston street.
 Donovan, John J., 751 East 141st st.

Dressler, William Bernard, 208 West 103d street.
 Drucker, Aaron P., 736 Lexington avenue.
 Ehrlich, Simon, 203 Delancey street.
 Ernst, Arthur Ogden, 217 West 120th street.
 Fischer, Francis, 69-73 Rivington street.
 Fine, Harold E., 247 East Broadway.
 Flynn, Thos. E., 71 West 48th street.
 Fox, Henry W., 345 Spring street.
 Frank, Samuel F., 129 East 52d street.
 Frankenthaler, Alfred, 45 St. Mark's Place.
 Ginzler, A., 405 East Houston st.
 Glanz, Hyman, 74 Norfolk street.
 Glasberg, Otto A., 159 Essex street.
 Glusker, Charles, 109 Broome street.
 Goldman, Irving, 37 Bayard street.
 Gomprecht, Harry C., 210 East 61st street.
 Goodman, Mark D., 2865 Third avenue.
 Greenstone, Julius H., 736 Lexington avenue.
 Greensweig, Maurice, 245 Rivington street.
 Grossman, William, 123 Goerck street.
 Haas, Jacob, 144 Eldridge street.

Haupt, George, 526 East 88th street.
 Herman, Harry, 217 East 109th street.
 Hirsh, L. J., 314 East 116th street.
 Hirschman, Joseph, 316 East 79th street.
 Horowitz, Benjamin, 14 East 114th street.
 Houston, Charles A., 215 Columbus avenue.
 Howe, Arthur L., 137 West 128th street.
 Jacobs Leo, 135 East 29th street.
 Jacobson, Walter, 137 Avenue A.
 Jordan, C. Victor, 145 West 128th street.
 Kaplan, Mack, 736 Lexington avenue.
 Kastner, Isidor M., 108 East 96th street.
 Kaus, Herbert R., 46 West 49th street.
 Kauvar, Henry L., 736 Lexington avenue.
 Kayser, Harry C. A., 1063 Lexington avenue.
 Kennedy, Daniel R., Jr., 152 West 105th street.
 Knickerbocker, E. Van Berghan, 145 West 128th street.
 Kohn, Walter Thomas Arnold, 161 East 93d street.
 Korn, Raphael C., 61 East 60th street.
 Krauskopf, Henry, 236 East 79th street.
 Kufeld, Max, 316 East 4th street.
 Landauer, Clifford, 342 East 72d street.
 Leonard, John J. B., 502 Second avenue.
 Levy, Henry, 509 East 88th street.
 McQuilland, George T., 672 Ninth avenue.
 Madigan, James C., 55 West 84th street.
 Merrill, George A., 103 West 104th street.
 Michaelis, Arnold, 334 East 16th street.
 Murphy, James F., 955 East 165th street.
 Neumann, Henry, 513 East 86th street.
 Newman, Charles A., 44 East 129th street.
 Nides, Samuel, 304 West 120th street.
 Noehren, Alfred H., 301 West 139th street.
 Paley, Herman J., 152 E. Broadway.
 Picker, Louis M., 29 East 114th street.
 Piza, R. Herbert, 495 Lexington avenue.
 Prokesch, Sol. Z., 55 East 7th street.
 Pulvermacher, William D., 228 East 86th street.
 Roeder, Jehial Maurice, 174 East 95th street.
 Rosenzweig, Abraham, 374 Seventh avenue.
 Rothschild, Solomon, 337 East 51st street.
 Rubin, Mark, 327 Madison street.
 Saymon, Ignatz, 282 East Houston street.
 Schlosberg, Samuel, 40 Delancey street.
 Schwartz, Louis H., 132 Avenue D.
 Sinsheimer, Jerome M., 36 West 91st street.
 Solomon, Elias L., 736 Lexington avenue.
 Steindler, Emanuel M., 308 West 121st street.
 Sugarman, Moses A., 204 Monroe street.
 Suling, John W., 8 Charlton street.
 Symes, Reuben C., 549 Broome street.
 Taylor, Arthur Noble, 312 West 106th street.
 Topper, William, 215 East 114th street.

Wien, Francis, 1057 Lexington ave.
 Wiener, Sol., 65 West 85th street.
 Wilson, McLandburg, 6 Henderson
 Place.
 Witt, Abraham F., 74 East 105th st.

Wolff, Marks, 83 Monroe street.
 Woodruff, Isaac O., Jr., 152 West
 78th street.
 Woodruff, Lorande Geo., 202 West
 103d street.

SOPHOMORE CLASS—SCIENTIFIC COURSE.

Abramson, Samuel, 415 Grand
 street.
 Agramonte, Albert, 110 Lexington
 avenue.
 Albert, Samuel J., 78 Orchard
 street.
 Ansorge, Percy I., 61 West 134th
 street.
 Bateson, Charles E. W. I., 257 West
 88th street.
 Beck, Louis L., 640 6th street.
 Bergoffen, Herman R., 186 Delan-
 ceys street.
 Berkowitch, Louis, 520 East 12th
 street.
 Bernstein, Louis P., 132 Broome
 street.
 Blauner, Samuel, 134 Rivington
 street.
 Blendermann, Harry J., 895 West
 End avenue.
 Blumenkranz, Adolphus J. I., 187
 Delancey street.
 Bock, Louis B. D., 1186 Madison
 avenue.
 Boyer, Eugene D., Morris Heights.
 Breithut, Frederick E., 1652 Madi-
 son avenue.
 Breitwieser, Theodore J., 311 East
 87th street.
 Butts, Arthur C., 1004 Trinity
 avenue.
 Cahn, Sidney M., 12 East 66th st.
 Charosh, Israel, 302 East 3d street.
 Cohen, Isaac, 456 Grand street.
 Cohen, Moise K., 357 West 120th
 street.
 Cohen, Morris R., 186 Norfolk
 street.

Cybulsky, William, 52 Suffolk
 street.
 Devlin, Joseph, 100 West 45th
 street.
 Eichhorn, Herman, 620 East 5th
 street.
 Endelman, Edward, 310 Henry
 street.
 Enowitz, Charles, 268 Broome
 street.
 Ernstein, Henry H., 153 Suffolk
 street.
 Fendrich, Charles, 428 West 41st
 street.
 Ferguson, John Barrie, 109 Man-
 hattan avenue.
 Finkenaar, William Milne, 132 West
 88th street.
 Fisher, Frederick Schilling, 914 St.
 Nicholas avenue.
 Frank, Arthur, 358 East 79th
 street.
 Friedenberg, Albert Marx, 75 East
 81st street.
 Friedland, Jacob M., 149 Chrystie
 street.
 Frucht, Simon, 63 Elizabeth street.
 Fulton, Thomas Hammond, 229
 West 99th street.
 Galicenstein, Arthur, 129 West
 132d street.
 Goldfarb, Abraham Julius, 94 Riv-
 ington street.
 Goldstein, Henry P., 178 East 108th
 street.
 Goldwater, Sidney James, 2671 Third
 avenue.
 Goodwin, Phillips Robinson, 6
 Morningside avenue.

- Harawitz, Abraham, 41 Essex street.
 Hartman, Gustave, 275 2d street.
 Hecht, Felix, 325 East 12th street.
 Hirsch, Isaac, 314 East 116th street.
 Hoffman, Maurice Heyman, 181 Madison street.
 Hurwitz, Joseph, 10 Suffolk street.
 Hussakof, Louis, 128 Delancey street.
 Hyman, Wallace Munroe, Sherman Square Hotel.
 Jackson, Jerome Carlton, 216 East 68th street.
 Jacoby, George Washington, 112 East 70th street.
 Jacoby, Henry E., 195 Edgecomb avenue.
 Kaempfer, Louis G., 244 West 43d street.
 Kahn, Joseph, 269 Madison street.
 Kindlund, Martin Gustaf, 367 West 22d street.
 Leventhal, Arthur, 199 East Houston street.
 Lifshutz, Nathan, 238 East Broadway.
 Linker, John, 98 East 8th street.
 McBride, James, Jr., 222 East 128th street.
 Mackby, Julius Cæsar, 105 East Broadway.
 Malowanzyk, Charles, 60 Eldridge street.
 Marcus, Morris, 79 Clinton street.
 Moran, Harry Powell, 1983 Madison avenue.
 Morgan, William Joseph, 134 East 94th street.
 Miller, Werner, 418 West 154th street.
 Oppenheim, Louis, 141 East 111th street.
 Prager, William Louis, 311 East 49th street.
 Radgik, Benjamin, 185 Henry street.
 Reich, Benjamin, 237 Delancey street.
 Reid, Thomas A., 444 West 58th street.
 Roberts, Alfred, 1591 Lexington avenue.
 Robinson, Robert, 111 Avenue B.
 Rosenthal, Samuel, 129 Henry street.
 Schiff, Jacob Reuben, 178 Ludlow street.
 Schlivek, Kaufman, 20 Pike street.
 Schmidt, Frederick S., 90 Second avenue.
 Schreiber, Henry J., 140 Lewis street.
 Schwartzman, Samuel, 324 Madison street.
 Sheitlis, David, 262 Cherry street.
 Silberman, Frank E., 206 Rivington street.
 Simpson, Walter Booth, 208 W. 134th street.
 Skernewitch, Abraham M., 179 East Broadway.
 Smith, Elbert O., Jr., 535 West 159th street.
 Solomon, Louis A., 230 Henry street.
 Stengel, Henry, 92 Second avenue.
 Van Nostrand, Robert, 707 Eighth avenue.
 Ward, Gilbert Oakley, Hotel Endicott, 81st street and Columbus avenue.
 Weil, Sol., 52 St. Mark's Place.
 Weisman, Charles, 244 Clinton street.
 Weiss, Morris, 111 Ridge street.
 White, Francis Joseph, 21 West 100th street.
 Wilkinson, James Edw., Jr., 33 West 113th street.
 Woolf, Edgar A., 832 West End avenue.
 Zucker, Arthur A., 1227 Madison avenue.

SOPHOMORE CLASS—SCIENTIFIC COURSE WITH MECHANICS.

Bennett, J. Albert, Jr., 88 Grove street.	Griffin, Gerald William, 1340 Chisholm street.
Bloom, Edward J., 70 East 86th street.	Hagen, William C., 213 East 26th street.
Briner, Oscar William, 620 Lexington avenue.	Herfort, Paul, 153 East 89th street.
Browne, Alexander John, 719 East 178th street.	Katzenstein, Martin L., 223 West 133d street.
Burke, Joseph A., 464 West 146th street.	Kayser, William D., 1063 Lexington avenue.
Cassen, Abner, 317 Madison street.	Lagerwall, Charles J., 239 East 87th street.
Clark, Walter L., 37 West 84th st.	Liebmann, Leo, Garfield, 1200 Madison avenue.
Conant, Stuart M., 137 West 67th street.	Mentzel, C. Charles, 251 East 52d street.
Connelly, Douglas Logan, 995 Morris avenue.	Miller, Robert, 225 Brown Place.
Freund, Harry Paul, 796 Lexington avenue.	Schaefer, Edward Franklin, 56 West 132d street.
Gallagher, George B., 256 West 40th street.	Schumer, Jacob H., 247 Broome street.
Gottfried, John Y., 31 Avenue D.	Smyth, Samuel, Jr., 405 East 61st street.
Graff, Leslie, 1690 Broadway.	Whitcup, Philip, 59 East 86th street.
Grant, Oliver Remick, 2236 Southern Boulevard.	Williamson, Alfred, 110 West 91st street.
Greacen, Samuel L., 307 West 33d street.	Wilner, Elias, 218 West 4th street.

FRESHMAN CLASS—CLASSICAL COURSE.

Abraham, James H., 55 East 83d street.	Benjamin, Henry Clarence, 216 East 50th street.
Alsdorf, Frank J., 11 West 63d street.	Berryman, Wilson G., 301 West 45th street.
Alten, Jos. R., 307 West 138th street.	Bleecker, Jas. W., 440 West 51st street.
Appleton, Robert, 116 East 81st street.	Blumlein, Maurice, 69 East 110th street.
April, Nathan, 164 Suffolk street.	Boddicker, Arthur H., 325 East 13th street.
Aronovitch, Abraham, 62 Baxter street.	Bogert, D. Van Zandt, 219 East 17th street.
Barow, Saul, 8 Mitchell Place, East 49th street.	Boyle, Edward M., 334 West 19th street.
Bateson, Richard Humphreys, 257 West 88th street.	Broder, Charles, 45 Eldridge street.
Behren, S. Bernhard, 272 Rivington street.	Chasins, Charles, 25 Clinton street.

- Cherry, T. Harris, 968 St. Nicholas avenue.
- Cohen, Arthur Joseph, 111 East 65th street.
- Cohen, David, 420 East 85th street.
- Cohen, Harvey Jesse, 204 East Broadway.
- Condon, Joseph F., 882 East 169th street.
- Cosenza, Mario, 574 Lexington avenue.
- Cowen, Harry G., 130 East 47th street.
- Dalziel, Guy H., 109 West 90th street.
- David, Sydney R., 1 West 107th street.
- Davidson, Henry, 125 East 101st street.
- Davies, Howard Llewellyn, 367 West 116th street.
- Decker, Albert, 209 West 35th street.
- Edelman, Selig, 35 Rutgers street.
- Eichner, Emanuel Adolphus, 67 Cannon street.
- Eisenmann, Max, 515 East 82d street.
- Federlein, Daniel H., 167 East 78th street.
- Fischer, Charles, 212 East 57th street.
- Finkenstein, Jacob, 185 Ludlow street.
- Flatto, Isaac, 170 East 95th street.
- Fogg, Nathan, 936 East 177th street.
- Foise, Joseph F., Hotel Premier, 72d street and Lexington avenue.
- Foley, James A., 309 East 19th street.
- Frank, David L., 68 West 120th street.
- Frankel, Edward, Jr., 217 East 17th street.
- Freiman, Leopold, 238 Delancey street.
- Geiringer, David, 91 1st street.
- Gerrits, Harry M., 1668 Second avenue.
- Golden, John B., 33 City Hall Place.
- Goldman, Herman, 210 East 86th street.
- Goldstein, Henry, 121 Norfolk street.
- Gollubier, Martin, 10 Lincoln Place.
- Gookin, Warner F., 509 East 84th street.
- Gordon, Harry A., 254 Madison street.
- Gottlieb, Henry A., 57 East 132d street.
- Grad, Charles L., 303 East 10th street.
- Green, Howard C., 386 Manhattan avenue.
- Greenberg, John J., 210 Eldridge street.
- Greenstein, Arthur V., 169 East 95th street.
- Greif, Joseph, 232 Rivington street.
- Gross, Albert, 223 East 3d street.
- Gross, Herman, 721 East 5th street.
- Guion, John C., 1383 Washington avenue.
- Haber, Frederick Irving, 149 West 78th street.
- Halperin, Jacob, 99 East Broadway.
- Hamburger, Gabriel, 64 Columbia street.
- Harris, Modie, 329 West 46th street.
- Haughey, William R., 269 West 132d street.
- Hays, Arthur G., 153 West 91st street.
- Hays, Harold M., 153 West 91st street.
- Heiliger, Percy, 23 West 123d street.
- Heller, Max L., 97 Sheriff street.
- Hellman, Alfred M., 15 East 92d street.
- Herlitzka, Louis, Jr., 97½ East 7th street.
- Hirsh, Albert, 265 West 21st street.

Hirsch, Edgar A., 163 West 95th street.
 Holstein, Samuel G., 171 Eldridge street.
 Hooper, Charles Thomas, 226 West 105th street.
 Hooper, Ed. Prescott, 1070 Park avenue.
 Horowitz, Israel, 230 East 7th street.
 Jaffe, Benjamin, 133 Henry street.
 Jochum, Henry L., 465 East 57th street.
 Kahn, Moses, 648 East 5th street.
 Kahrs, John D., 1592 Lexington avenue.
 Kanner, Samuel H., 635 6th street.
 Kaufman, Julius, 306 East 73d street.
 Keane, William E., 1708 Topping street.
 Kennedy, Roscoe E., 65 West 36th street.
 Krumwiede, Charles, 57 West 84th street.
 La Fetra, Harry L., 114 East 26th street.
 Landau, Abraham, 596 Eighth avenue.
 Landsman, Isidor, 236 East 107th street.
 Langenbahn, Theodore, Jr., 429 East 69th street.
 Le Comte, John R., 213 West 130th street.
 Lee, Joseph W., 258 West 15th street.
 Levenson, Saul, 1638 Madison avenue.
 Levin, Ernest H., 50 East 89th street.
 Levin, Zachary, 78 Bayard street.
 Levine, William, 99 Forsyth street.
 Levison, Jacob J., 109 Clinton street.
 Levitin, Solomon, 230 East 75th street.
 Levy, B. J., 210 East 74th street.

Levy, Marcel, 235 West 112th street.
 Liberman, Samuel, 78½ Delancey street.
 Lieb, Henry, 206 Henry street.
 Lindeman, Maurice, 343 East 15th street.
 Loeffler, Joseph, 132 East 87th street.
 Lord, Joseph A., 831 Elton avenue.
 Lowie, Robert Harry, 66 East 105th street.
 Maeder, John S., 304 East 120th street.
 Maisel, Alexander J., 102 Canal street.
 Markowitz, Max, 316 East 3d street.
 McIntyre, Otis L., 712 East 147th street.
 McKay, John F., 351 West 4th street.
 Meister, William B., 627 East 141st street.
 Michaelson, H., 119 Forsyth street.
 Moskowitz, Abraham, 115 Cannon street.
 Mulholland, Vincent L., Marion avenue and 193d street.
 Nachumson, David B., 327 East 8th street.
 Neuwelt, Louis, 118 East 116th street.
 Newman, Frederick J., 1627 Madison avenue.
 Newman, Morris, 107 Lewis street.
 Nifenecker, Eugene Alexander, 457 Canal street.
 Oberwager, John, 34 1st street.
 Ottenberg, Reuben, 58 East 92d street.
 Pallay, Julius John, 11 Sixth avenue.
 Phillips, Herman, 228 Madison street.
 Polowe, Max L., 100 Clinton street.
 Poyntz, Francis W., 535 East 163d street.
 Prince, Leon M., 14 West 114th street.

Rathbun, Wm. E., 1989 Madison avenue.	Taylor, Howard Chapman, 252 West 136th street.
Ray, Edgar T. M., 416 West 55th street.	Thompson, Joseph Nicholas, 57 East 128th street.
Reich, Nathaniel D., 118 Lexington avenue.	Tobin, John L., 476 West 34th street.
Richmond, Julian, 1223 Simpson street.	Tompkins, William C., 164 West 83d street.
Rosenbaum, Morris, 73 Cannon street.	Trell, Albert, 140 East 97th street.
Saphir, Joseph, F., 285 East 3d street.	Tynan, Joseph A. L., Audubon Park, near 157th street.
Satenstein, David L., 236 East Broadway.	Tyndall, Carlton H., 23 East 105th street.
Scheel, Henry V. R., 121 East 83d street.	Unger, Henry H., 98 Columbia street.
Schwartz, Morton Lewis, 1125 Madison avenue.	Voss, Emanuel, 67 East 91st street.
Silberberg, Abraham A., 96 East Broadway.	Wallace, William Henry, Jr., Fort Schuyler Road, Westchester.
Seringhaus, F. W., 954 Eighth avenue.	Waters, Spencer, 45 West 70th street.
Sobel, Isidore, 20 Clinton street.	Wile, Oscar J., 304 West 89th street.
Spinrad, Michael, 94 Sheriff street.	Wise, Joseph Herbert, 119 East 65th street.
Stern, I. Foster, 133 East 80th street.	Wynne, John T., 307 East 69th street.
Stern, Milford, 313 East 80th street.	Wurthmann, Henry G., 431 East 80th street.
Sulzberger, Mayer, 315 East 116th street.	Zipser, Benjamin Wm., 105½ Lewis street.

FRESHMAN CLASS—SCIENTIFIC COURSE.

Abrams, William Lamberson, 96 Greenwich avenue.	Bernstein, Aaron, 311 Henry street.
Alexander, George Mortimore, 28 West 115th street.	Birkhahn, Robert, 71 East 87th street (Niagara).
Allen, James Henry, 324 West 48th street.	Blan, Louis Benjamin, 210 East 82d street.
Anthony, Eugene, 66 Grove street.	Bloch, Alexander, 146 Eldridge st.
Asher, Williams, 68 East 108th st.	Block, Daniel Webster, 309 West 54th street.
Bach, Milton Jacob, 11 East 92d street.	Bloomburg, Alfred Harry, 120 East 62d street.
Baumgarten, Charles, 312 East 70th street.	Bloomfield, Howard W., 61 West 87th street.
Bernstein, Harry Hirsch, 50 Essex street.	Bohan, Owen William, 411 West 49th street.
Beisheim, William Fredrick, 287 7th street.	Borowsky, Maurice, 42 East Broadway

Boswell, Ralph Cavis, 27 West 34th street.
 Brennan, Frank, 2 Pike street.
 Buchbinder, Hyman Elias, 33 Attorney street.
 Burnett, Eugene Rodney, 17 West 129th street.
 Burns, Frank, 362 East 177th street.
 Burns, James Joseph, 603 East 141st street.
 Cahen, Waldemar, 227 West 44th street.
 Callahan, Joseph Thomas Paul, 443 East 121st street.
 Caplan, Maxwell E., 149 Clinton street.
 Carroll, James Francis, 340 East 58th street.
 Carroll, Vincent Paul, 106 East 84th street.
 Cebulsky, Jacob, 52 Suffolk street.
 Childs, Harry Russell, 202 West 74th street.
 Cohen, Abraham, 34 Norfolk street.
 Collins, John Patrician, 350 West 33d street.
 Collyer, Homer Lusk, 109 East 54th street.
 Courtney, George Wilson, 73 Perry street.
 Crone, Harry, 152 East 89th street.
 Curtis, Harold Penrose, Fort Schuyler.
 Danziger, Nathan, 16 Pitt street.
 Derleth, Walter Taubert, 674 East 135th street.
 Dittenhoefer, Lester Franklin, 1026 Park avenue.
 Dottenheim, Harry Simon, 543 East 86th street.
 Douglas, Harry McKee, 145 West 81st street.
 Doyle, Thomas Francis Ogden, 244 East 27th street.
 Dublin, Louis Israel, 53 Ludlow street.

Duke, Thomas P., Bush street, Tremont.
 Eckmann, Wm., 285 Delancey street.
 Edelstein, Isidore, 236 East Broadway.
 Edmunds, Kinzie Bates, 202 West 80th street.
 Elkin, Samuel, 2072 Second avenue.
 Elowitch, Edward, 251 East 52d street.
 Emanuel, Harry Nathaniel, 46 Canal street.
 Feinberg, Julius, 36 Essex street.
 Felix, Louis, 436 East 122d street.
 Feuerbach, Lawrence Edward Jos., 332 West 47th street.
 Flaum, Marcus H., 21 Rutgers street.
 Frankel, Max, 156 East 109th street.
 Frankel, Morris George, 141 Monroe street.
 Fridiger, Louis, 3297 Third avenue.
 Freidmann, Emanuel, 123 Cannon street.
 Frohne, Henry W., 306 East 119th street.
 Garner, William F., 317 East 37th street.
 Glasscheib, Simon Henry, 273 East 3d street.
 Goldberg, Herman, 116 Stanton street.
 Goldberger, Sydney, 128 Cannon street.
 Goldstein, Charles, 252 Delancey street.
 Gutgsell, Adolph E., 1104 Lexington avenue.
 Hamilton, Charles Rodney, 39 Bank street.
 Harper, Chas., 80 East 55th street.
 Harper, John F., 80 East 55th street.
 Hartmann, Ingo F., 1391 Washington avenue.
 Hanff, Joe A., 159 West 120th st.

- Hays, David, Bensonhurst, L. I.
Hendrickson, W. Harold, 877 Cauldwell avenue.
Henes, Louis G., 128 East 93d street.
Hertz, Henry L., 422 East 57th street.
Hess, C. August, 439 East 118th street.
Isaacs.
Itzkowitz, Moses W., 42 Avenue D.
Jonas, Walter L., 316 E. 69th street.
Jones, Bevan, 207 W. 84th street.
Kahn, Arthur C., 110 West 46th street.
Kaufman, William, 305 East 116th street.
Kiernan, Joseph D., 1290 First avenue.
Klein, Edward, 93 Lewis street.
Kohnstamm, Lothair, 133 East 71st street.
Konheim, Jerome, 16 Rutgers Place.
Korn, Harold, 45 East 74th street.
Kovarsky, Abraham, 208 Eldridge street.
Kringel, Harry Lionel, 712 East 6th street.
Lamport, Simon Charles, 287 Madison street.
Lane, Charles, 89 Henry street.
Lefkowitz, Harry Noah, 163 Suffolk street.
Leibson, Jacob J., 88 Norfolk street.
Lesselbaum, Samuel S. 35 Orchard street.
Levene, Moses, 242 Monroe street.
Levy, Chester Arthur, 106 East 58th street.
Levy, Jerome, 1572 Madison avenue.
Levy, Samuel M., 225 East 4th street.
Lewis, Walter S., 57 East 65th street.
Lieberman, Joel, 689 Eighth avenue.
Liebergall, Joseph, 166 Norfolk street.
Linton, A. Delano, 848 Morris avenue.
Lipfield, Isaac, 33 Orchard street.
Lippman, Louis, 182 West 82d street.
Lorber, Aaron N., 115 Ridge street.
Loughrey, Augustine P., 150 East 28th street.
McBride, Wm. J., Bailey avenue, Kingsbridge.
McKinley, James Graham, 708 Lexington avenue.
Magnus, Harry C., 28 West 96th street.
Margulies, Louis, 177 East 108th street.
Martin, Francis X., 436 Lenox avenue.
Martin, William F., 450 West 55th street.
Martinez, Antonio Constantino, 13 West 84th street.
Marx, Henry, 244 Division street.
Meuer, Abraham, 145 East 82d street.
Meyer, Leonard B., 136 West 132d street.
Miller, Frederick.
Mittelstaedt, Edward Louis William, 86 University Place.
Modry, Arthur Sidney, 140 East 74th street.
Morgenbesser, Hyman, 142 Suffolk street.
Moseson, Louis A., 180 Henry street.
Mundorff, Frederic W., 268 7th street.
Newman, Enrico W., 47 East 65th street.
Norr, Henry I., 156 Forsyth street.
Oltarsh, David M., 73 Market street.
Plumer, Samuel, 227 Clinton street.
Poons, Isadore M., 308 East 90th street.
Price, Isaac, 60 Eldridge street.

Rabinowich, Alexander S., 43 Canal street.	Sheitlis, Benjamin, 262 Cherry street.
Rabinowitz, Louis, 219 Madison street.	Shwitzer, Samuel D., 103 West 31st street.
Rankin, John, 119 West 77th street.	Simon, Milton L., 21 East 91st street.
Ray, Thomas F. M., 416 West 35th street.	Smith, G. Waldo, 313 West 46th street.
Reed, Howard E., 34 Grove street.	Springer, Isidore, 17 Pitt street.
Rickaby, Hamilton Charles, 258 West 42d street.	Steiner, Jerome, 49 7th street.
Rosenberg, Hyman, 21-23 Willett street.	Stern, Alfred J., 110 East 78th street.
Rosensohn, Meyer, 49 Eldridge st.	Stewart, Walter H., 123 West 11th street.
Rothschild, Leo Herbert, 11 East 83d street.	Tekulsky, Solomon, 128 East 94th street.
Rourke, John, Gunhill Road, Williamsbridge.	Waltz, Millard F., Jr., 958 Eighth avenue.
Rubenstein, Jacob G., 222 Henry st.	Wechsler, Joseph, 220 Chrystie street.
Ruge, Bernhard Arnold, 110 East 47th street.	Wisansky, Jacob, 189 Division street.
Salzer, Edwin W., 232 East 72d st.	Wisansky, Louis, 156 East 115th street.
Samet, Harry, 122 Sheriff street.	Wolf, Jacob I., 33 Essex street.
Scadrou, Samuel, 30 Orchard street.	Wolfe, David, 132 East Broadway.
Schweizer, Sollie Emanuel, 320 East 50th street.	Wolfe, Lee J., 71 East 92d street.
Shapiro, Benjamin, 76 E. Broadway.	Wray, Clifford, 347 West 28th street.
Shapiro, Benjamin Charles, 184 Henry street.	Zimmerman, Isidore, 130 East 94th street.

FRESHMAN CLASS—SCIENTIFIC COURSE WITH MECHANICS.

Ball, Laurence A., 18 Arthur street, Williamsbridge.	Fitzgerald, William J., 212th street, near Ninth avenue.
Ballenberg, Milton, 240 East 48th street.	Friedman, Joseph H., 224 Rivington street.
Barker, John E. S., 169th street and Walton avenue.	Garrecht, Arthur C., 1028 Prospect avenue, between 165th and 166th streets.
Baruck, Alex. J., 66 East 92d street.	Gold, Leo Frederick, "Montrose," 1723 Madison avenue.
Bein, Felix W., 262 West 133d street.	Goldberg, Harry, 120 East 85th st.
Biglow, Lemuel C., 511 West 145th street.	Goodhart, Ellmore H., Jr., 205 West 106th street,
Crawford, Frank H., 180 West 81st street.	Goodman, Louis, 611 6th street.
Deimel, Richard Francis, 890 Cauldwell avenue, near 161st street.	Gossett, Morris E., 62 Baxter street.
Faber, John P., 315 East 58th street.	Greenhaus, Samuel, 121 Delancey street.

- Gregny, G. Heathe, 133 East 17th street.
 Hagelstein, Carl W., 432 College avenue.
 Halperine, Samuel H., 148 Columbus avenue.
 Hartmann, Jacob, 421 E. 9th street.
 Heyman, Harry, 428 E. 57th street.
 Hicok, DeLos N., 2500 Tiebout avenue.
 Higby, Frederick W., 152 West 78th street.
 Houtman, Joseph, 444 East 116th street.
 Hudson, Andrew J., 171 West 10th street.
 Illwitzer, Robert J., 451 East 119th street.
 Jacoby, Herbert S., 435 West 107th street.
 Jonson, Edwin H., 321 East 124th street.
 Katzenstein, William, 223 West 133d street.
 Kelly, Edward J., 1793 Amsterdam avenue.
 Kissick, William J., 504 West 44th street.
 Klein, David,
 Klipstein, Max, 111 Ridge street.
 Levi, Benjamin I., 436 Manhattan avenue.
 Levy, David, 765 Tenth avenue.
 Littman, Isidor, 260 West 133d street.
 Lucke, Herbert R., Marble Hill, Kingsbridge.
 McIntosh, Robert L., 22 Seventh avenue.
 Menges, Charles P., 451 West 48th street.
 Muenz, Sigmund, 635 6th street.
 Murphy, Walter H., 119 East 120th street.
 Palmer, Montague, 967 Fleetwood avenue.
 Perk van Lith, Gerard R., 218 West 104th street.
 Pollak, Leo, 1496 Second avenue.
 Prochaska, Harry, 243 East 68th street.
 Prosnitz, William, 5 East 131st street.
 Rogers, Augustus, 214 West 128th street.
 Ruskay, Everett S., 1617 Washington avenue.
 Ryan, Joseph A., 312 Front street.
 Sanger, Charles, 117 West 97th street.
 Savage, Harvey M., 300 West 14th street.
 Schapiro, Joseph, 130 Rivington street.
 Scheuer, James Theodore, 123 West 97th street.
 Schwalenberg, William H., 1531 Madison avenue.
 Segal, Mandel, 159 Allen street.
 Solotaroff, William, 291 East 4th street.
 Squier, Harold N., 122 West 103d street.
 Stern, Fred., 32 East 126th street.
 Ten Eick, Arthur R., 81 East 111th street.
 Tiesenhausen, Ferdinand Paul, 1235 Lexington avenue.
 Votava, Joseph C., 426 East 86th street.
 Waters, Rossiter L., 45 West 70th street.
 Welsh, Joseph H., 153 West 83d street.
 Williams, A. S., 202 West 81st street.
 Wineburgh, Charles, 223 West Houston street.
 Wolheim, Louis R., 167 East 106th street.
 Wood, Robert Walter, Union street, Highbridge.

SUB-FRESHMAN CLASS—CLASSICAL COURSE.

Alsberg, Sidney, 64 West 114th street.
 Amster, Henry, 61 East 112th street.
 Ansonge, Martin Chas., 102 West 132d street.
 Arnold, Arthur, 710 Third avenue.
 Asher, Herman, 68 East 108th street.
 Auslander, Armin, 426 East 72d street.
 Bachrach, Joseph, 225 East 118th street.
 Barofsky, Moses, 217 Madison street.
 Barra, Cæsar B. F., 153 Elizabeth street.
 Bates, William Stephen, 1456 Lexington avenue.
 Beck, Abraham, 52 Ridge street.
 Beck, Joseph Morris, 1061 Lexington avenue.
 Becker, John Henry, Jr., 313 West 32d street.
 Berger, Isidor, 249 Stanton street.
 Berger, Samuel, 323 East 4th street.
 Blatt, Lionel Edgar, 133 East 94th street.
 Blechman, Nathan, 311 East 71st street.
 Blenderman, Edward Henry, 897 West End avenue.
 Bogart, William Stockton, 2 East 42d street.
 Boorstein, Joseph Aaron, 232 Madison street.
 Brashears, Alexander Vine, Castle Hill, Westchester.
 Breen, Henry Joseph, 258 Willis avenue.
 Brill, Raphael, 50 East 119th street.
 Browne, Albert Edward, 207 West 16th street.
 Bruckheimer, Milton Phœbus, 2105 Madison avenue.

Bruder, Thomas, 278 West 128th street.
 Brussel, Lawrence Maurice, 10 East 81st street.
 Buck, Samuel Montgomery, 307 East 8th street.
 Buchholtz, Louis, 131 Suffolk street.
 Burke, William Augustine, 848 Seventh avenue.
 Cahan, Morris, 36 Forsyth street.
 Callaghan, J. G., 350 East 116th street.
 Casin, Julius, 134 Stanton street.
 Caspari, Jacob Adolph, 64 East 105th street.
 Clary, David Arad, 210 West 136th street.
 Cocks, Edmund Lindley, 179 East 116th street.
 Cohen, David Isaac, 62 Forsyth st.
 Cohen, Jacob Morris, 188 Norfolk street.
 Cohn, Julius, 1354 First avenue.
 Cohn, Max, 331 East 79th street.
 Coleman, Thomas Scanlon, 850 Lexington avenue.
 Connolly, Frank Vincent, 687 East 146th street.
 Corkey, Joseph Alonzo, 162 East 90th street.
 Cornelius, Frederick Alfred, 201 East 113th street.
 Cornell, Charles Emery, Jr., 62 West 128th street.
 Corrigan, Edmund James, 62 East 88th street.
 Cowen, Elias David, 668 East 142d street.
 Crawford, John, Jr., 478 Mt. Hope Place.
 Darrah, Harry LeRoy, 26 Bank street.
 Davidson, David, 40 Eldridge street.
 Deevy, Jefferson Ignatius Loyalo, 368 Lenox avenue.

- de Leon, Solon, 1487 Avenue A.
 Demarest, William Gustavus, 46 West 130th street.
 Denzer, Norman, 113 West 130th street.
 Dolgenas, Jacob Abraham, 189 Rivington street.
 Down, Frederick Joseph Ambrose, 409 West 51st street.
 Draddy, Robert E., 623 West 48th street.
 Drechsler, David, 202 Rivington street.
 Dryfoos, Sidney J., 1129 Madison avenue.
 Dunn, James Philip, 21 East 105th street.
 Ecker, Samuel, 295 Stanton street.
 Edinburg, Simon H., 20 Clinton street.
 Edwards, Walter, 5 Bank street.
 Elgar, Harold Benj., 275 West 132d street.
 Ernst, Fred. J., in care of S. Toepfer, Wakefield.
 Falkenstein, Kurt, 444 West 48th street.
 Farrington, Robert J., 484 Pearl street.
 Faust, Edward A., 63 East 105th street.
 Fechtman, Louis Foreman, 75 East 127th street.
 Feiner, William, 79 East 7th street.
 Feingold, Chas. H., 38 Pitt street.
 Feldman, Jacob, 141 Clinton street.
 Fennelly, Joseph F., 78 West 102d street.
 Ferrari, Robert A., 102 Mott street.
 Fine, Abraham, 139 Monroe street.
 Finger, Edward A., Fulton street, Wakefield.
 Finkelstein, Morris, 271 Madison street.
 Finkenberg, Edward, 746 5th street.
 Fischer, Siegfried, 314 East 15th street.
 Foote, Julius O., 1726 Madison avenue.
 Forrest, Thomas, 412 West 57th street.
 Formica, Otto, 451 West 46th street.
 Frankfurter, Felix, 78 East 4th street.
 Fraser, J. Bristow, 316 West 52d street.
 Freeman, Henry W., 117 East 78th street.
 Friedman, Simon S., 209 East 72d street.
 Frey, David I., 38 Eldridge street.
 Fuller, Frederick C., 20 East 130th street.
 Gabrilove, Benjamin, 143 Madison street.
 Gellert, Samuel, 293 7th street.
 Gerschaneck, Sinai, 57 East 101st street.
 Gibbs, Israel, 176 East 112th street.
 Girshwitz, Nathan, 29½ Renwick street.
 Glücksman, George, 53 Avenue D.
 Goetz, Isador, 73 Henry street.
 Goldback, Benjamin H., 413 East 80th street.
 Goldberg, Jacob, 87 Goerck street.
 Goldberg, Samuel, 179 East Broadway.
 Goldberger, Louis, 128 Cannon street.
 Goldman, Bernard, 118 Division street.
 Goldman, Louis H., 23 Bayard street.
 Goldwasser, David, 171 East 105th street.
 Green, Donald S., 342 Manhattan avenue.
 Greenblatt, Max, 1 East 106th street.
 Greene, Harold, 25 West 123d street.
 Griffin, Gerald G., 33 Carmine street.
 Gutman, Arthur H., 182 East 75th street.

Hahn, Albert W., 245 West 130th street.
 Haines, Harold Woodbury, 153 West 121st street.
 Haley, Jesse Hoyt A., 509 East 38th street.
 Hartnedy, John Augustine Cornelius, 1656 Lexington avenue.
 Hedinger, Harris B., 36 West 126th street.
 Hein, Henry E., 1293 Washington avenue, corner 169th street.
 Held, David M., 75 Eldridge street.
 Hellinger, Samuel, 212 East 76th street.
 Herman, Benjamin, 386 East 3d street.
 Herschman, Robert H., 74 East 121st street.
 Hertz, Julius J., 726 6th street.
 Heyman, Henry K., 130 West 131st street.
 Hill, John H., 759 East 173d street.
 Hilliard, Robert B., 39 East 22d street.
 Hofheimer, Alfred K., 7 East 93d street.
 Hogan, William T., 216 East 70th street.
 Holde, Hermann W., 789 Park avenue.
 Holman, Alexander, 55 Rutgers street.
 Holmes, William B., 236 East 116th street.
 Horowitz, Joseph, 55 Lewis street.
 Horowitz, Philip, 156 Madison st.
 Huber, Leslie V., 96 Avenue D.
 Humphries, Arthur G., 15 East 129th street.
 Hunt, I. M., 2071 Madison avenue.
 Hyland, James B., 174 East 90th street.
 Janover, Julius L., 322 East 72d street.
 Jarmulowsky, Adolph, 102 East 60th street.

Johnson, William F., 245 East 87th street.
 Johnston, Fred. M., 145 East 117th street.
 Jones, Raphael, 13 Greenwich avenue.
 Joseph, Samuel, 51 East 106th street.
 Kahn, William B., 158 East 74th street.
 Kahner, Milton L., 71 East 92d street.
 Kantrowitz, Morris, 68 Essex street.
 Katz, Mortimer, 1569 Avenue A.
 Kaufmann, Charles, 628 5th street.
 Kelly, Ralph Q., 72 East 124th street.
 Kempner, Harry, 164 East 103d street.
 Kinkeldey, Maximilian H., 41 East 132d street.
 Klauber, Leonard E., 2067 Seventh avenue.
 Klein, Morris, 51 Division street.
 Koenig, Morris, 742 East 6th street.
 Koplik, Morris, 17 Norfolk street.
 Kopp, Oscar H., 919 Second avenue.
 Kral, John, 243 East 71st street.
 Kunzmann, James, 79 West 101st street.
 Landfield, Emanuel, 130 Cannon street.
 Landesman, Charles M., 135 Norfolk street.
 Lauferty, Harry S., 128 East 83d street.
 Lazinsk, Abraham, 41 West 35th street.
 Leckler, Peter H. G., 690 East 159th street.
 Leder, Benjamin, 3 Sheriff street.
 Leibell, Vincent L., 1174 Park avenue.
 Leisersohn, William, 300 Broome street.

- Lemmel, Edward, 157 West 120th street.
- Levy, Michael, 107 East 2d street.
- Levy, Nathan D., 1482 First avenue.
- Lewis, Clarence Martin, 315 West 32d street.
- Lewis, George, 772 East 163d street.
- Lewis, Llywellyn W., 2d street, between Fourth and Fifth avenues, Williamsbridge.
- Liebl, Louis, 166 West 35th street.
- Lippman, Jacob, 204 East 76th street.
- Lipschitz, Isadore I., 99 1st street.
- Lisson, Albert, 19 East 105th street.
- Loeser, Herbert W., 200 West 118th street.
- Loewenkopf, Elias, 118 Rivington street.
- London, Abraham, 29 Sheriff street.
- Lorber, Harry, 154 Norfolk street.
- Loveman, Herbert S., 210 West 139th street.
- Lowenfeld, Peter, 1654 Lexington avenue.
- Ludlow, Frank T., 2309 Seventh avenue.
- Lustgarten, William Nath., 97 Orchard street.
- McClenahan, David K., 345 West 18th street.
- McCloskey, George V. A., 148 East 30th street.
- McCort, Alfonso J., 1065 Jackson avenue.
- McDonald, John J., — East 26th street.
- McGrath, Edmund J., 114 East 117th street.
- McMahon, Edward A., 1662 Franklin avenue.
- McMenamy, [John] W., 273 Lenox avenue.
- McMullen, Albert J., 123 East 106th street.
- Maloney, Robert W., 50 West 134th street.
- Mandelbaum, Herbert D., 941 Madison avenue.
- Mandelstamm, Abraham, 1833 Lexington avenue.
- Marblestone, Harry, 16 Sutton Place.
- Marshall, James F. H., 1011 Tiffany street.
- Martin, Patrice L., 883 East 165th street.
- Martin, W. C. D., 2775 Marion avenue, Fordham.
- Mayer, Arthur M., 59 East 82d street.
- Mayer, John D., 417 Western Boulevard.
- Mendelson, Percival P., 61 East 73d street.
- Metz, Benjamin, 54 Ridge street.
- Michaels, Sol., 2270 Seventh avenue.
- Miles, John T., West 171st street, Kingsbridge Road.
- Miller, Jacob J., 458 West 35th street.
- Molloy, George Clyeus, Woodlawn.
- Morgenstern, Joseph, 175 Delancey street.
- Morris, William E., Jr., 2780 Pond Place, Fordham.
- Moskowitz, Edward Irving, 285 East 3d street.
- Moos, Herbert, 62 East 94th street.
- Muldoon, Edward H., 231 Wadsworth avenue.
- Murray, John A., 226 East 27th street.
- Myres, Magnus J., 59 East 92d street.
- Nichthausen, Bernard, 519 Eighth avenue.
- Niner, Isidor, 715 Tenth avenue.
- Nolan, William S., 301 West 138th street.
- Norris, Ambrose M., 632 East 136th street.
- Nyitray, Emil, 223 East 71st street.
- Oelbaum, Harry, 153 Ridge street.
- Oliver, Frank V. S., Jr., 676 East 135th street.

O'Loughlin, Gerald S., 521 West 149th street.

Orr, Louis H., Jr., 307 West 88th street.

Osborne, Charles F., 754 Ninth avenue.

Ottenberg, Irving, 58 East 92d street.

Patterson, Irving, 324 Mott avenue.

Patterson, Robert S., 1998 Valentine avenue.

Perlo, Samuel, 102 Essex street.

Pfeiffer, Alexander, 322 East 4th street.

Pick, Rudolph E., 802 First avenue.

Pickelsky, Frank, 15 Suffolk street.

Potosky, Walter D., 17 West 90th street.

Pratt, Spencer D., 200 West 113th street.

Quigley, Herbert D., 43 East 131st street.

Rabinowitz, Herman, 15 Essex street.

Radin, Paul, 347 East 116th street.

Rath, George E., 413 East 116th street.

Reuben, Mark, 11 East 106th street.

Richter, Theodore B., 68 East 79th street.

Riordan, Richard J., 232 East 87th street.

Robertson, T. William, 2113 Lexington avenue.

Roeder, Joseph, 174 East 95th street.

Roeser, Charles, 158 East 82d street.

Rosalsky, Alexander, 299 Broome street.

Rosenberg, Louis, 96 Goerck street.

Rosenberg, Samuel, 57 East 104th street.

Roth, Simon M., 182 Rivington street.

Rubinstein, Abraham, 236 Monroe street.

Sachs, Barnett Abraham, 57 Mott street.

Sachs, Louis, 333 East 77th street.
Sackman, Eugene R., 36 West 131st street.

Sallop, Charles, 104 Hester street.

Salomon, Harry G., Hotel Majestic.

Sartori, Antonio J., 179 Park Row.

Schepper, Abraham, 155 Forsyth street.

Scherzinger, Charles Arnold, 1604 Bathgate avenue.

Schiller, James G., 104 East 81st street.

Schitzberger, Aaron, 89 Sheriff street.

Schminke, Oscar, 100 Second avenue.

Schoenfeld, Milton, 2390 First avenue.

Schoenfeld, Morris, 108 Lewis street.

Schulman, Abram G., 76 Norfolk street.

Schwitters, Edo J., 80½ Jane street.

Seitz, Robert, 13 West 121st street.

Shaine, Marks Solomon, 5 East 106th street.

Shapiro, Bernard, 20 Norfolk street.

Sheinberg, Wolf, 107 Essex street.

Shoenfeld, Jerome B., 14 East 76th street.

Sicher, Dudley Frank, 413 West 148th street.

Simon, Irving, 156 Henry street.

Simpson, Edwin Middleton, 435 Central Park West.

Singer, Albert, 126 East 80th street.

Sirovich, William Irving, 13 Avenue D.

Sladkus, Solomon Edmund, 242 7th street.

Sloat, Ernest H., 848 Amsterdam avenue.

Sloss, Arthur J., 138 West 136th street.

Smith, James F., Jr., 329½ East 33d street.

- Smith, Roy M., 404 West 14th street.
- Smolinsky, Abraham Irving, 213 East Houston street.
- Solomon, Morris A., 25 Hester street.
- Spanier, Louis, 97 Mangin street.
- Spannhake, Hermann, 244 East 13th street.
- Specht, William Henry, 229 East 52^d street.
- Spitz, Harry, 297 Atlantic avenue, Brooklyn.
- Stanbrough, Norman Macleod, 203 West 52^d street.
- Stein, Charles, 343 East 47th street.
- Stein, Herman, 170 Monroe street.
- Steinberg, Joseph, 123 East 101st street.
- Stephens, William Henry, 38 Seventh avenue.
- Stern, Arthur B., 18 West 95th street.
- Stern, D. H., 282 Manhattan avenue.
- Stube, J. Fred., 414 West 51st st.
- Sullivan, John H., West 170th street and Kingsbridge Road.
- Sunderland, Joseph, 237 East 74th street.
- Sussmann, Edward, 338 East Fourth street.
- Swartz, Harry, 197 Amsterdam avenue.
- Szerlip, David Hirsh, 257½ Rivington street.
- Tealdi, Tealdo A., 101 West Houston street.
- Teichman, Robert Irving, 509 Manhattan avenue.
- Teitelbaum, Edward, 1000 Second avenue.
- Thoman, William F., 312 West 87th street.
- Tice, Walter A., 2053 Seventh avenue.
- Traum, Jacob, 130 Columbia street.
- Tunick, Isidor S., 181 Allen street.
- Unger, William F., 167 East 71st street.
- Usher, Charles F., 261 West 44th street.
- Usitzky, Herman, 130 Suffolk street.
- Valente, Louis A., 130 West Houston street.
- Viertels, Ephraim, 60 Canal street.
- Wallstein, Leonard M., 19 West 124th street.
- Walz, Jacob M., 301 West 41st street.
- Warren, Arthur D., 58 West 75th street.
- Warren, Earle, 58 West 75th street.
- Warts, Alexander B., 580 Lexington avenue.
- Weatherwax, Benjamin M., 153 East 52^d street.
- Weil, Sidney, 1867 Morris avenue, Tremont.
- Weismann, Joseph A., 2320 Fulton avenue, Fordham.
- Weiss, Harold L., 209 East 115th street.
- Weiss, Moses, 176 Essex street.
- Weller, Royal H., 323 East 150th street.
- Werner, Gerard B., 175 West 81st street.
- Werschinger, Charles V., 133 East 18th street.
- Wiedinger, John B., 507 East 55th street.
- Wiener, Louis, 752 East 5th street.
- Wile, Udo J., 304 West 89th street.
- Wilsey, Edwin S., Kingsbridge.
- Winrow, Charles, 746 6th street.
- Wischoller, Harry, 110 Ludlow street.
- Wittridge, Harry M., Jr., 866 Amsterdam avenue.

Wolff, Raphael, 83 Monroe street.
Wollheim, Ernest, 25 East 115th street.

Yeomans, Harry M., 307 West 12th street.
Ziegler, Jacob B., 48 Carmine street.

SUB-FRESHMAN CLASS—SCIENTIFIC COURSE.

Abraham, Benjamin, 79 Suffolk street.

Abraham, Herbert, 13 West 89th street.

Ackerman, Abraham, 424 East 10th street.

Ahern, Worthen, 65 East 95th street.

Ahren, John, 530 West 133d street.

Aigeltinger, Arthur, 10 Morton street.

Altman, Adolph, 174 Attorney street.

Anathan, Lawrence Gustave, 65 West 131st street.

Arnold, William J., 257 West 123d street.

Axelrad, Jacob, 64 Division street.

Bachman, Herbet Spencer, 60 West 89th street.

Baum, Harry, 86 1st street.

Berger, Noah, 178 Essex street.

Bergstein, Adolph, 280 Stanton street.

Bernheimer, Edgar Julius, 156 West 97th street.

Betts, Joseph, 178 Avenue C.

Blendermann, Walter Herman, 895 West End avenue.

Block, Abraham Bernard, 221 Henry street.

Bloch, Isaac, 325 Rivington street.

Block, Marks, 89 Division street.

Blumberg, Saul, 18 Pike street.

Borck, Charles, 213 East 72d street.

Borklund, Walter Alfred, 245 Willis avenue.

Borst, William, 1080 First avenue.

Boskey, Meyer, 98½ Essex street.

Bouton, Arthur, 2437 Webster avenue.

Bramley, Robert Percy, 209 West 129th street.

Brandt, Samuel William, 189 Second avenue.

Breunich, Henry, 71 East 7th street.

Brown, Louis, 127 Rivington street.

Brown, Robin Colton, 267 West 79th street.

Bucky, Milton Gus., 227 West 51st street.

Burkhardt, John, La Fontaine avenue and 181st street.

Carman, Ronald Granger, 42 Lorillard street, near 187th.

Chugerman, Samuel, 119 Orchard street.

Clary, Thomas Jefferson, 409 West 38th street.

Cohen, Isaac, 99 Broome street.

Cohen, Lawrence, 11 Montgomery street.

Cohen, Samuel, 18 Cannon street.

Cohn, Louis, 60 Avenue C.

Comstock, Willard Leslie, 240 West 11th street.

Cook, Henry Stuart, 113 East 113th street.

Cox, Samuel S., 1753 Bathgate avenue, Tremont.

Craft, Harry Leroy, 217 West 133d street.

Crohn, Burrell, 216 East 82d street.

Dannenberg, Emanuel, 513 Third avenue.

de Lara, Frank J. B., 205 West 124th street.

Deutsch, Isaac, 151st street and Eleventh avenue.

Deutsch, Victor, 250 Second street.

de Wolf, De Mott, 306 West 129th street.

- Diamondstein, Julius, 246 East 114th street.
- Doon, Charles Webster, 704 East 138th street.
- Dworsky, Harry, 21 Rutgers street.
- Eckstein, Arthur, 6 Sutton Place.
- Edwards, Charles C., 367 West End avenue.
- Ehrlich, William, 241 East 7th street.
- Eichhorn, Louis, 620 East 5th street.
- Epstein, Max I., 214 Clinton street.
- Erlanger, Sydney B., 74 East 81st street.
- Feld, Max, 78 Rivington street.
- Filfuss, Nathan, 44 Pitt street.
- Fischel, Philip, 188 East 72d street.
- Fischer, Julius, 32 St. Mark's Place.
- Fisher, Harry A., 914 St. Nicholas avenue.
- Foster, I. Ira, 320 East 50th street.
- Fowler, Robert Simon, 348 West 35th street.
- Franz, John, 548 Fifth street.
- Freeman, Clarence W., 70 East 80th street.
- Friedman, Jacob, 97 Willett street.
- Friedson, Morris, 93 Clinton street.
- Friend, Steven L., 59 East 75th street.
- Fruhauf, Saul D., 360 Bowery.
- Frumberg, Maurice, 287 Madison street.
- Furst, Sidney, 952 Fleetwood avenue.
- Gartlan, George, 245 East 116th street.
- Geib, Rudolph H., 1260 Park ave.
- Geller, Samuel George, 718 East 5th street.
- Gilbert, Francis, 45 Grove street.
- Gilbert, Max, 100 West 73d street.
- Gillhaus, Henry, 1688 Avenue A.
- Goldberg, Abraham, 666 East 136th street.
- Goldberger, Louis, 102 Cannon street.
- Gollomb, Joseph, 36 Scammel street.
- Goodhart, Arthur J., 1148 Park avenue.
- Gordon, Richard H., 100 West 91st street.
- Gourlie, James B., 134 West 104th street.
- Greacen, Robert F., 307 West 33d street.
- Greenberg, Morris, 94 Pitt street.
- Grossmann, Julius, 418 East 57th street.
- Halley, Charles Vincent, Jr., 1014 East 175th street.
- Hamilton, George Howard, 39 Bank street.
- Hamilton, William Albert, 250 West 16th street.
- Hammond, Ralph G., 25 East 125th street.
- Hanaway, George S., 1182 Madison avenue.
- Hands, Charles Alfred, Jr., 11 West 127th street.
- Harris, Louis S., 215 Madison street.
- Hart, Edward F., 196 West 134th street.
- Hartmeyer, Henry, 101 Avenue D.
- Heidelsheimer, Irving, 21 West 94th street.
- Heil, Alfred, 63 East 127th street.
- Henderson, Charles Leo, 623 East 143d street.
- Herrmann, Charles Edward, 1298 Madison avenue.
- Herrmann, Isadore H., 100 Avenue C.
- Hesse, Harold G., 565 Walton avenue.
- Hilker, Hermon George Staats, 566 Lexington avenue.
- Hoffmann, Abraham, 193 Second avenue.

Hoffman, Milton, 49 West 95th street.
 Horowitz, Samuel S., 13 East 101st street.
 Huber, Rudolf M., Nineteenth avenue, Williamsbridge.
 Hunt, Russell J., 132 West 28th street.
 Hurd, Louis F., Jr., 57 East 59th street.
 Intemann, Henry C., 848 Union avenue, near 161st street.
 Jaeger, Charles, 964 Second avenue.
 Jaret, Abraham, 66 East 109th street.
 Jaros, Ernest S., 1270 Madison avenue.
 Jasper, Theodore Adele, Jr., 391 St. Nicholas avenue.
 Kahn, Ely, 50 East 83d street.
 Kaiser, Leon S., 1295 First avenue.
 Kalmus, Leon, 85 West 110th street.
 King, Edward P., 142 West 133d street.
 Kingsley, George A., 356 West 145th street.
 Knobloch, Philip J., 126 Stanton street.
 Koch, Edward R., 714 Courtland avenue.
 Kostman, Jacob, 176 Clinton street.
 Krashes, David, 233 Division street.
 Kraus, Sidney C., 569 Park avenue.
 Krauss, Leon W., 474 West 152d street.
 Kreshover, Jacob S., 179 Bowery.
 Lamport, Arthur M., 287 Madison street.
 Lang, Edward M., 52 East 91st street.
 Larkin, Thomas C., Broadway, Kingsbridge.
 Laufer, Abraham M., 42 Avenue C.
 Lebowitz, Emanuel, 32 Columbia street.

Leonhardt, Ernest M., 2049 Anthony avenue, Tremont.
 Levene, Alexander, 118 East 93d street.
 Levene, Benjamin, 118 East 93d street.
 Levrine, Hiram S., 18 East 120th street.
 Levy, Gustave, 96 East 114th street.
 Levy, Hyman, 218 Henry street.
 Levy, Max, 340 East 50th street.
 Levy, William, 49 Attorney street.
 Liberman, Herman N. H., 121 East 94th street.
 Lipshitz, Moses, 204 East Broadway.
 Lipschitz, Samuel S., 191 Henry street.
 Lobazinski, Edwin J., 186 Avenue A.
 Loeb, Morton E., 23 East 89th street.
 Lowenstein, Leon, 46 West 91st st.
 Lubelsky, Isidor L., 316 East 4th street.
 Lyon, Walter, 201 West 85th street.
 McBennett, John J., 194 East 101st street.
 McCarthy, William P., Broadway, Kingsbridge.
 McNabb, Thomas H., 488 East 176th street.
 Margolis, Louis, 88 Chrystie street.
 Massell, Alexander, 32 Ridge street.
 Mendes, Arthur de S., 683 West End avenue.
 Metzger, Edwin, 62 East 90th street.
 Montgomery, John R., 86 Greenwich avenue.
 Moran, Richard H., 520 East 164th street.
 Moskowitz, Morris, 546 East 11th street.
 Müller, George, 1227 Madison avenue.
 Murray, George W., 549 East 144th street.
 Murray, James E., 474 West 165th street.

- Nagel, Morris I., 87 East 2d street.
 Neumann, Frederick C., 1484 Wash-
 ington avenue.
 Newberger, Leo, 215 East 109th
 street.
 Newmark, Moses, 201 Henry street.
 Ollendorff, Herbert, 137 West 130th
 street.
 Ottinger, Lawrence, 110 East 61st
 street.
 Perl, Isaac, 154 East Broadway.
 Pforzheimer, Walter, 348 East 124th
 street.
 Pierce, Frederick E., 533 West 125th
 street.
 Pincus, Emil, 357 West 22d street.
 Poppe, George A., 504 West 48th
 street.
 Poppellwell, Sidney, 258 East 33d
 street.
 Prager, Jacob B., 86 Willett street.
 Quinlan, Wm. J., 31 Market street.
 Rappel, Samuel, 98 Attorney street.
 Reese, William A., 522 West 40th
 street.
 Reich, Abram, 762 Second avenue.
 Reisler, Ralph, 138th street and
 Amsterdam avenue.
 Rippe, Henry L., 830 Tinton avenue.
 Roberts, Edwin C., 1237 Fulton
 avenue.
 Robinson, Bernard, 161 Madison st.
 Rogers, Saul, 213 Henry street.
 Rosenthal, Abraham J., 59 second
 avenue.
 Rosenzweig, Maurice H., 151 Clin-
 ton street.
 Rothenberg, Alexander, 69-71
 Chrystie street.
 Rothschild, Harold M., 214 West
 72d street.
 Rothstein, Raymond, 175 East 70th
 street.
 Rubens, Gilbert E., 121 Second
 avenue.
 Rubenstein, Abraham I., 382 East
 3d street.
 Rubin, Isidore, 67 3d street.
 Ruprecht, Ludwig T., 528 West
 142d street.
 Sameth, Jacob, 739 5th street.
 Schmidt, J. Harold, 202 West 139th
 street.
 Schoenbrun, Morris, Hebrew Or-
 phan Asylum, 138th street and
 Amsterdam avenue.
 Schulhoff, Samuel, 229 East 74th
 street.
 Schur, Carl, 101 East 79th street.
 Schwartz, J. L., 128 East 73d street.
 Schwartz, Raymond S., 80 Second
 avenue.
 Schwarz, Samuel, 71 Second ave-
 nue.
 Schwerin, Leo, 158 West 97th
 street.
 Settel, Isidore, 288 Madison street.
 Shackman, Harry, Cremeux, 87
 East 111th street.
 Shubovitz, Samuel, 239 Monroe
 street.
 Shufro, E. H., 11 Eldridge street.
 Siegel, Meyer D., 368 Madison
 street.
 Siegel, Morris T., 12 Rutgers
 Place.
 Siegel, Samuel, 213 Madison street.
 Silbiger, Harold, 64 East 120th
 street.
 Silverstein, Joseph, 30 West 116th
 street.
 Simpson, J., 229 Henry street.
 Singer, David, 147 East Broadway.
 Smillie, Sheldon, 51 East 59th street.
 Sohn, David, 182 Rivington street.
 Solomon, Charles, 47 Catharine
 street.
 Solomon, Hyman, 231 Broome
 street.
 Sonberg, Albert, 6 Pitt street.
 Speyer, Jesse J., 133 East 84th
 street.
 Spiegelberg, Walter Scott, 26 West
 83d street.

Spies, Abraham, 142 Division street.
 Springer, Isidor, 638 Eleventh avenue.
 Squires, Harold D., 1811 Morris avenue.
 Steinbock, Henry, 442 West 47th street.
 Steiner, Maurice, 327 East 42d street.
 Sternglanz, Elias, 223 West 130 street.
 Stewart, E. E., 123 West 11th street.
 Stiller, Charles, 120 East Houston street.
 Stodola, Gilbert I., 666 East 135th street.
 Straicher, Morris, 84 Stanton street.
 Strauss, Louis, 4 East 85th street.
 Stuart, Joseph A., 327 East 37th street.
 Sullivan, Frank L., 664 Tenth avenue.
 Thomas, Lloyd B., 160 Bleecker street.
 Toerner, Frederick W., 936 East 160th street.
 Tracy, Jacques H., 42 West 15th street.
 Trinner, John, 556 East 154th street.
 Trubenbach, Conrad, 363 West 58th street.
 Tucker, Charles F., 246 West 132d street.
 Ulrich, George, 415 East 85th street.
 Van Pelt, Arthur J., Madison street, Van Nest.

Wagner, Louis F., 185th street and Washington avenue, Fordham.
 Walter, Louis F., 113 East 7th street.
 Watkins, Charles Francis, 408 West 44th street.
 Watt, William J., 200 West 101st street.
 Wechsler, Arthur E., 132 West 74th street.
 Weinberg, Nathan, 220 West 128th street.
 Weinberger, Samuel B., 202 East 108th street.
 Weinberger, William, 293 Stanton street.
 Weintraub, Victor, 252 Monroe street.
 Werstein, Saul, 3 Orchard street.
 Werner, Edward, 36 East 73d street.
 Wieder, Max, 59 Lewis street.
 Wieder, Samuel, 59 Lewis street.
 Wilensky, Samuel H., 214 Clinton street.
 Willits, William B., 148 West 127th street.
 Wolff, Harry A., 225 East 28th street.
 Wolfson, Joseph, 23 Henry street.
 Wright, Donald A., 317 West 90th street.
 Zobel, James Joseph, 1817 Franklin avenue.
 Zimmerman, Max, 348 East Houston street.

SUB-FRESHMAN CLASS—MECHANICAL COURSE.

Acker, Albert J., 239 West 49th street.	Crowell, Frederick B., Jr., 560 Buckhout street.
Adams, Harry M., Sherwood street, Fordham.	Dalton, William, 225 West 105th street.
Autenrieth, George C., 216 7th street.	Deegan, John J., 460 West 165th street.
Back, H. E., 466 West 166th street.	Dessar, Herbert J., 234 East 61st street.
Barshell, Frederick, 231 East 82d street.	Desvernine, Emilio, 227 West 135th street.
Barnett, Isadore I., 50 Eldridge street.	Donegan, Daniel M., 59 East 87th street.
Beardsley, Winthrop L., 64 West 49th street.	Falk, Rudolph Tracy, 28 East 76th street.
Bell, George Clinton, 951 East 165th street.	Fischgrund, Samuel W., 360 East 4th street.
Bellah, Robert, 89 Clinton Place.	Fisk, Almond D., 477 Fourth avenue.
Beutel, Robert J., 316 East 80th street.	Fitzgerald, John J., 212th street and Ninth avenue.
Birkhahn, Jacques S., 71 East 87th street.	Flammer, Edward, 245 West 44th street.
Borsody, Alexander, 181 2d street.	Frank, Albert, 129 East 90th street.
Boylan, Arthur A., 127 East 86th street.	Fullwood, Stanley, 67 Perry street.
Branower, Solomon, 208 Rivington street.	Giese, William H., 504 West 161st street.
Branower, William, 208 Rivington street.	Goldstein, Albert, 546 5th street.
Brandenburger, George J., 2114 Eighth avenue.	Gray, Wallace A., 358 West 33d street.
Bryce, James W., 1035 Stebbins avenue.	Green, Floyd, 2074 Madison avenue.
Burlinson, John, 151 East 49th street.	Greenberg, Abraham, 119 East 103d street.
Bush, Joachim F., 286 Tenth avenue.	Greer, John A., 581 East 154th street.
Carillo, Edgar, 469 West 144th street.	Horr, George, 633 East 135th street.
Chastagner, Emile, 335 West 37th street.	Hoey, Edward Albert, 112 West 22d street.
Cohn, Joseph, 47 Willett street.	Johannsen, Louis C., 164 East 89th street.
Cohn, Leo, 131 East 61st street.	Johnson, Arvid, 730 Summit street, Bedford Park.
Colligan, Edward, 1167 Second avenue.	Kamholtz, Albert, 69 Columbia street.
Comstock, Harold K., 240 West 11th street.	Kebler, Leonard, 606 West 114th street.

- Kelly, Edward H., 509 Amsterdam avenue.
- Kirby, Edgar L., 2080 Franklin avenue, Tremont.
- Kopf, Henry J., 70 Rivington street.
- Koscherak, Otto L., 127 West 82d street.
- Kyle, George W., 70 West 134th street.
- Lambert, Bennie W., 1742 Amsterdam avenue.
- Lambert, Louis E., 1742 Amsterdam avenue.
- Landsman, Abraham, 161 2d street.
- Lebenson, Abraham, 196 Chrystie street.
- Lee, Edmund A. S., 362 West 35th street.
- Levy, Joseph, 150 East 86th street.
- Lewinson, Leonard J., 129 East 95th street.
- Lobo, Arthur, 219 West 44th street.
- Loth, Stanley H., 101 East 75th street.
- Lyle, William, 114 East 81st street.
- Markham, George B. 64 East 111th street.
- McCord, Chas. F., 298 Bleecker street.
- McNabb, W. J., 488 East 176th street.
- Miller, Wilfred A., 73 East 85th street.
- Moore, Herbert M., 256 West 121st street.
- Müller, Charles F., 44 East 87th st.
- Mullin, Richard J., 164 Madison street.
- Munson, Alfred S., East Prospect street, City Island.
- Neugass, Solomon, 71 East 123d street.
- Neumann, Rudolph M., 586 Park avenue.
- O'Meara, Robt. J., 139 East 119th street.
- O'Neill, William J., 341 East 65th street.
- Panaroni, Alfred G., 263 West 40th street.
- Parramore, Robert Braden, 2290 . Seventh avenue.
- Patrick, Clarence, 437 West 57th street.
- Patterson, Robert John, 63 Bank street.
- Perrine, John Frank, 358 West 34th street.
- Phelps, Charles Craig, 253 West 23d street.
- Prince, Hart Raphael, 95 Avenue B.
- Quevedo, Richard C., 316 East 57th street.
- Rankin, Alexander, 119 West 77th street.
- Rau, Andrew, 504 West 50th street.
- Reynolds, Walter V., 144 West 132d street.
- Rice, William P., 516 West 130th street.
- Rosenbaum, Nathan, 253 West 121st street.
- Rosenfeld, Carl Herbert, 887 St. Nicholas avenue.
- Rosenfeld, Herbert, 62 East 94th street.
- Scannel, Thomas John, 12 East 130th street.
- Schmid, Robert Major, 25 Beekman Place.
- Schulman, Ralph, 63 Canal street.
- Schwagerl, Joseph Walter, 255 West 35th street.
- Schweizer, Arthur Henry, 10 West 117th street.
- Seller, Wm., Arthur, 406 West 124th street.
- Shane, Bernard, 163d street and Walton avenue.
- Sim, Robert Lee, 536 West 156th street.
- Simon, Herbert Samson, 51 East 78th street.

Simon, Solomon Charles, 283 Delancey street.	Thomassen, Francis F., 157 West 20th street.
Sladufsky, Samuel, 41 Suffolk street.	Veitch, Charles Riddle, Inwood-on-Hudson.
Snell, Francis Bertram, 176 East 78th street.	Wall, John F., 1825 Amsterdam avenue.
Soossen, Wm. H., 63 West 133d street.	Warschafsky, Reuben, 604 East 9th street.
Speckel, Gustave T., 631 West 152d street.	Weill, Harry Adolph, 66 East 131st street.
Spingarn, Noah, 207 West 78th street.	Wells, Arthur Cornwall, 1242 Washington avenue.
Spinrad, Abraham, 50 Ridge street.	Whitcup, Lester, 59 East 86th st.
Stack, Maurice Francis, 331 West 14th street.	Wiesenbergh, Simon, 53 Broome street.
Staub, Abraham J., 57 Broome street.	Wilson, Basil Brittain 263 West 40th street.
Steimer, Alfred Edward, 8 West 102d street.	Wilson, David, 119 Edgecombe avenue.
Strothmann, Conrad N., 411 East 78th street.	Wolff, Willy August, 52 West 114th street.

SUMMARY.

BOARD OF TRUSTEES,	-	-	-	-	-	-	-	-	-	22
EXECUTIVE COMMITTEE,	-	-	-	-	-	-	-	-	-	10
INSTRUCTORS,	-	-	-	-	-	-	-	-	-	65

STUDENTS PRESENT.

SENIOR CLASS,	-	-	-	-	-	-	-	-	-	93
JUNIOR CLASS,	-	-	-	-	-	-	-	-	-	139
SOPHOMORE CLASS,	-	-	-	-	-	-	-	-	-	231
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SUB-FRESHMAN CLASS,	-	-	-	-	-	-	-	-	-	801

TOTAL,	- - - - -	1,677
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DROPPED FROM ALL CLASSES AND NOT INCLUDED IN THE ABOVE,		256
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UNIVERSITY OF THE STATE OF NEW YORK.

THE COLLEGE OF THE
CITY OF NEW YORK.



FIFTIETH ANNUAL REGISTER.

1898-1899.

PRESS OF
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121 FULTON STREET,
NEW YORK.

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REGENTS

OF THE

UNIVERSITY OF THE STATE OF NEW YORK.

1898.

ANSON J. UPSON, D. D., LL. D., L. H. D., <i>Chancellor</i>	GLENS FALLS
RT. REV. W. C. DOANE, D. D., LL. D., <i>Vice-Chancellor</i>	ALBANY.
THEODORE ROOSEVELT, <i>Governor</i>	} <i>Ex-Officio</i> , ALBANY.
TIMOTHY L. WOODRUFF, <i>Lieutenant-Governor</i> ----	
JOHN T. McDONOUGH, <i>Secretary of State</i>	
CHAS. R. SKINNER, <i>Supt. of Public Instruction</i> ----	

IN ORDER OF ELECTION BY THE LEGISLATURE.

MARTIN I. TOWNSEND, LL. D., 1873-----	TROY.
ANSON J. UPSON, D. D., LL. D., 1874-----	GLENS FALLS.
CHAUNCEY M. DEPEW, LL. D., 1877-----	NEW YORK.
CHARLES E. FITCH, A. M., LL. B., L. H. D., 1877-----	ROCHESTER.
ORRIS H. WARREN, D.D., 1877-----	SYRACUSE.
WHITELAW REID, LL. D., 1878 -----	NEW YORK.
WILLIAM H. WATSON, A. M., M. D., 1881-----	UTICA.
HENRY E. TURNER, 1881 -----	LOWVILLE.
ST. CLAIR McKELWAY, LL. D., L. H. D., D. C. L., 1883---	BROOKLYN.
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CARROLL E. SMITH, LL. D., 1888 -----	SYRACUSE.
PLINY T. SEXTON, LL. D., 1890 -----	PALMYRA.
T. GUILFORD SMITH, M.A., C.E., 1890 -----	BUFFALO.
RT. REV. W. C. DOANE, D. D., LL. D., 1891 -----	ALBANY.
LEWIS A. STIMSON, A. B., M. D., 1893 -----	NEW YORK.
REV. SYLVESTER MALONE, 1894 -----	BROOKLYN.
ALBERT VANDERVEER, M.D., PH. D., 1895-----	ALBANY.
CHESTER S. LORD, A. M., 1896-----	BROOKLYN.
MELVIL DEWEY, M.A., <i>Secretary</i> -----	ALBANY.

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WILLIAM GREENOUGH.	J. EDWARD SWANSTROM.
CHARLES B. HUBBELL.	HENRY W. TAFT.
THADDEUS MORIARTY.	JOHN R. THOMPSON.
G. HOWLAND LEAVITT.	ALEX. S. WEBB.

A. EMERSON PALMER, SECRETARY.



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FOR THE

CARE, GOVERNMENT AND MANAGEMENT OF THE COLLEGE.

HORACE E. DRESSER, CHAIRMAN.

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EDWARD L. COLLIER.	FRANK PERLET.
HORACE E. DRESSER.	HENRY W. TAFT.
JOHN E. EUSTIS.	ALEX. S. WEBB.

CHARLES B. HUBBELL, *Ex-Officio*.

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Vice-President, and Professor.

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Professor of the German Language and Literature.

ALFRED GEORGE COMPTON, A.M.,
Professor.

CHARLES GEORGE HERBERMANN, PH. D., LL.D.,
Professor of the Latin Language and Literature, and Librarian.

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Professor of Descriptive Geometry and Drawing.

FITZ GERALD TISDALL, PH. D.,
Professor of the Greek Language and Literature.

JAMES WEIR MASON, A.M.,
Professor of Pure Mathematics.

HENRY PHELPS JOHNSTON, A.M.,
Professor of History.

WILLIAM STRATFORD, M.D., PH. D.,
Professor of Natural History.

CASIMIR FABREGOU, A. M.,
Professor of the French Language and Literature.

JOHN J. McNULTY, PH. D.,
Professor of Moral and Intellectual Philosophy.

LEWIS FREEMAN MOTT, PH. D.,
Professor of the English Language and Literature.

WILLIAM GEORGE MCGUCKIN, A.B., LL.B.,
Assistant Professor of History.

JOHN ROBERT SIM, A.B.,
Assistant Professor of Pure Mathematics.

LEIGH HARRISON HUNT, M.S., M.D.,
Assistant Professor of Descriptive Geometry and Drawing.

IVIN SICKELS, M.S., M.D.,
Assistant Professor.

CALVIN RAE SMITH,
Assistant Professor of Descriptive Geometry and Drawing.

CHARLES AVERY DOREMUS, M.D., PH. D.,
Assistant Professor of Chemistry.

GUSTAVE LEGRAS, M.S.,
Assistant Professor of Pure Mathematics.

STANISLAS C. CONSTANT,
Assistant Professor of the French Language and Literature.

AUGUST RUPP, A.B.,
Assistant Professor of the Latin Language and Literature.

WILLIAM FOX, B.S., M.E.,
Assistant Professor.

ERNEST ILGEN, A.B.,
Assistant Professor of the German Language and Literature.

CHARLES A. DOWNER, A.B.,
Assistant Professor of the French Language and Literature.

C. HOWARD PARMLY, M.S., E.E.,
Assistant Professor.

CARLETON L. BROWNSON, PH.D.,
Assistant Professor of the Greek Language and Literature.

JOHN ALFRED MANDEL,
Assistant Professor.

WALTER BRYAN, A.M., M.D.,
Instructor in Natural History.

CONRAD H. NORDBY, B.S.,
Instructor in the English Language and Literature.

STEPHEN PIERCE DUGGAN, M.S.,
Instructor in the Department of Philosophy.

EDMUND BURKE, A.B.,
Instructor in the Latin and Greek Languages and Literatures.

ERNEST N. PERRIN, A.B., LL.D.,
Instructor in the English Language and Literature.

FREDERICK G. REYNOLDS, M.S., LL.B.,
Instructor in Pure Mathematics.

HENRY S. CARR, A.M.,
Instructor in Pure Mathematics.

SAMUEL HANAWAY, B.S.,
Instructor in Pure Mathematics.

PAUL L. SAUREL, B.S.,
Instructor in Pure Mathematics.

CHARLES W. THOMAS, M.E.,
Instructor in Descriptive Geometry and Drawing.

JOSEPH ALLEN, A.M.,
Instructor in Pure Mathematics.

LUIS ALEJANDRO BARALT, A.B., M.D.,
Special Instructor in Spanish.

JAMES HERVEY DE GROODT,
Special Instructor in the Workshop.

ROBERT H. HATCH,
Special Instructor in Elocution.

HENRY G. KOST, B.S.-----Tutor in German.

L. HEINRICH FRIEDBURG, PH.D.----- “ “ Chemistry and Physics.

HAROLD E. LIPPINCOTT, M.S., LL.M. “ “ Mathematics.

ARTHUR BRUCKNER, B.S.----- “ “ the Workshop.

ROBERT F. SMITH, B.S.----- “ “ the Workshop.

GABRIEL ENGELSMAN, PH.D.----- “ “ Latin and Greek.

GASTON A. LAFFARGUE, A.B.----- “ “ French.

HARRY C. KROWL, A.B.----- “ “ English.

CLARENCE GALICENSTEIN, B.S.----- “ “ Philosophy.

MOSES S. LEVUSSOVE, B.S.----- “ “ Drawing.

LIVINGSTON B. MORSE, B.S.----- “ “ English.

THOMAS ARCHIE BENNETT, B.S., M.E. “ “ Drawing.

CHARLES F. HORNE, B.S.----- “ “ English.

EUGENE BERGERON----- “ “ French.

DONALD G. WHITESIDE, B.S.----- “ “ English.

ALFRED D. COMPTON, B. S.----- “ “ English.

LIVINGSTON R. SCHUYLER, A.B.----- “ “ History.

LOUIS SALANT, A.B.----- “ “ Latin.

HUBERT F. BREITWIESER, B. S.----- “ “ Mathematics.

HENRY MAYELL, Secretary to the President, and Registrar.

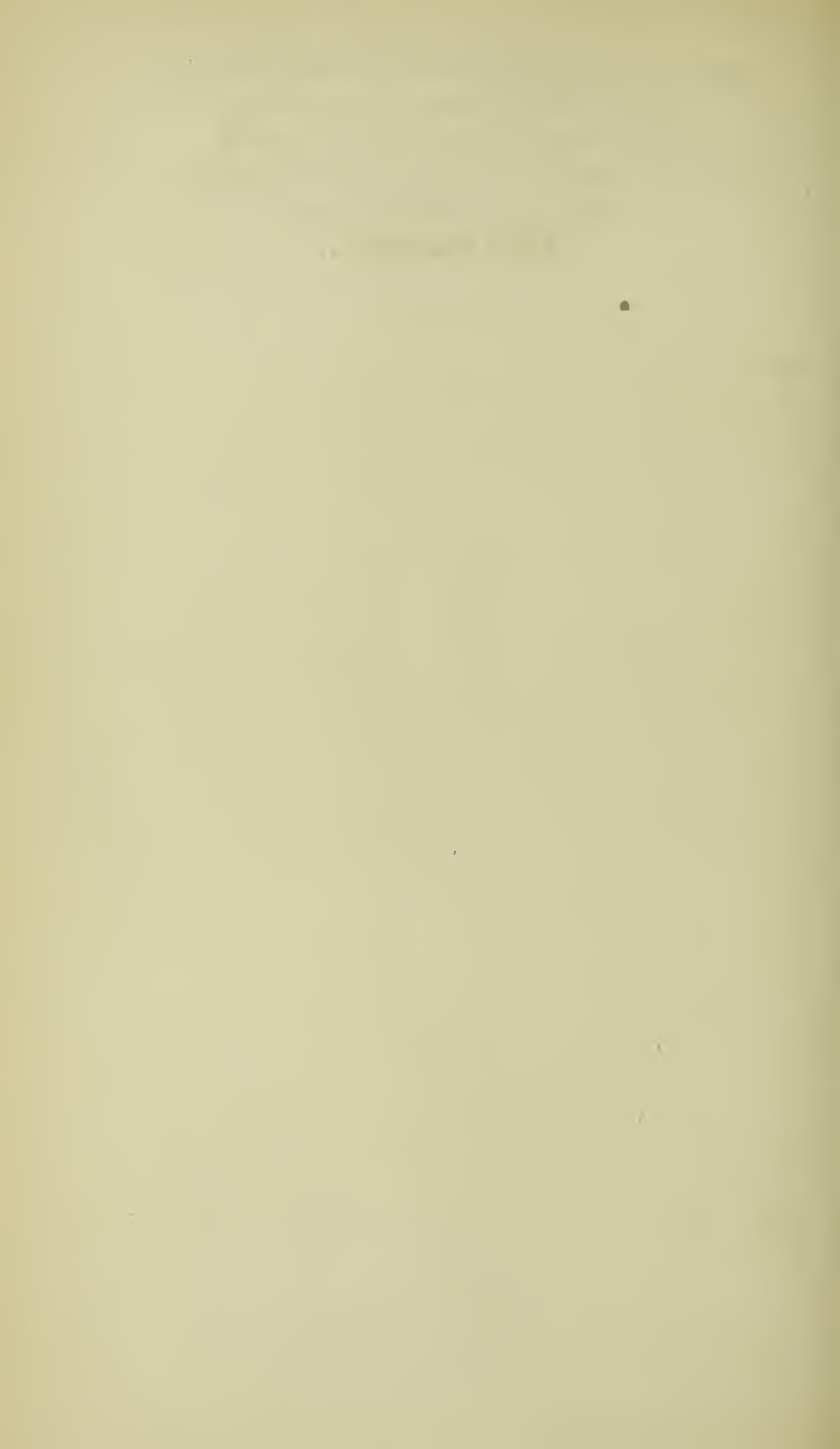
HENRY EVELYN BLISS, Deputy Librarian.

JAMES TOHER, Assistant in Office and Repository.

ARVID D. ANDERSON, Assistant to the Secretary and Registrar

MICHAEL F. BONNEY, Janitor.

JAMES REED, Engineer.



The College.

THE College of the City of New York, originally entitled the Free Academy, was established in 1848 by the Board of Education of the City of New York, in pursuance of an Act of the Legislature of the State passed May 7, 1847, and ratified by a vote of the people of the city June 9, 1847. The first class entered January, 1849, and completed its course in July, 1853. In the year 1854 the Legislature passed a law endowing the institution with collegiate powers and privileges, so far as pertained to the conferring upon its graduates the usual collegiate degrees and diplomas in the Arts and Sciences. In the year 1866, on the recommendation of the Board of Education, the Legislature of the State changed the name to that of "*The College of the City of New York*," and conferred on the institution the powers and privileges of a college, pursuant to the Revised Statutes of the State, rendering it subject to the provisions of the said statutes relative to colleges and to visitation of the Regents of the University, in like manner with other colleges of the State, and making the members of the Board of Education, *ex-officio*, the Trustees of the College. In 1872 the President of the College was by Act of Legislature made a member of the Board of Trustees. In the year 1882 the Legislature repealed so much of the Statutes relating to the College as had made one year's attendance at the public schools of the city a requisite for admission, thus opening the College to all young men of the city of proper age and sufficient preparation. Instruction is free; so is the use of text books and apparatus.

TERMS, VACATIONS, DAILY SESSIONS.

The College year begins on the Thursday following the second Monday of September and closes on the fortieth Thursday thereafter, It is divided into two terms. The first term closes on the fourth Friday of January; the second term begins the following Monday.

There are three vacations—the Summer vacation, from the day after Commencement to the Thursday after the second Monday in September; the Winter vacation, from the 25th day of December to the 2d day of January, inclusive, and the Spring vacation, the week in which occurs on the 1st day of May. There are no College exercises on legal holidays or on any Friday immediately following a legal holiday.

REQUISITES FOR ADMISSION.

The examination of applicants for admission takes place in June. No applicant is admitted to the Sub-Freshman Class unless he be fourteen years of age on or before the opening day next following the regular examinations for admission, a resident of the City of New York, and shall have passed a good examination in *Spelling, English Grammar, Arithmetic, Geography, History of the United States* and in the *Elements of Industrial Drawing*.

No person is allowed to be present at the examinations for admission except the instructors of the College and the members of the Board of Trustees. Neither the names of the candidates nor the schools from which they came are made known to the instructors conducting the examination, but each candidate is designated during the examination by a number assigned to him by the President. Candidates who pass a good examination are admitted *on probation for eight weeks*, at the expiration of which those who have shown the ability to prosecute the prescribed studies have their names entered on the rolls of the College.

In addition to the general examinations in June special

examinations for admission to the higher classes are held on the last Friday in each month.

Any young man, a resident of the city, may be received into any of the higher classes, provided he passes satisfactorily the same examination as the students of the class to which he may seek admission.

Each candidate for admission must present to the President of the College a certificate signed by his parent or guardian, and, if possible, by the Principal of the school which he last attended, specifying the dates and length of time of his attendance.

A student who has remained at College for at least one year, and has borne a good character, will, when leaving, receive a certificate stating the time he has attended and the studies he has pursued, provided he has satisfactorily accounted for all the books and other property entrusted to him; but no student shall receive such a certificate if he be dismissed for misconduct. If a student absents himself for two weeks without permission his name is stricken from the rolls and he loses his right to a certificate of good standing on leaving the institution.

COURSES OF STUDY.

There are three courses of study, each of five years' duration. The student, or his parent or guardian, is required to choose one of these courses on entering, and no change from one course to another is permitted, except on passing an examination satisfactory to the Faculty in the studies that have been pursued by the class which the student desires to join. An outline of the studies in each course is given in the schedule on pages 24 to 25.

The three courses are alike collegiate in character, aiming at general development of the powers of the mind rather than special preparation for a particular pursuit in life. The Classical Course, which leads to the degree of Bachelor of Arts, gives a special prominence to the Latin and Greek languages, but includes one modern language

also in the Senior year. In the Scientific and Mechanical Courses more attention is paid to mathematics and modern languages, but Latin may, at the option of the student, be included in the Senior year in the Scientific Course. These two courses lead to the degree of Bachelor of Sciences.

The Mechanical Course differs from the Scientific Course in giving more prominence to the applications of Mechanical Science during the Senior year and in making practice in the workshop and mechanical laboratory obligatory to the extent of four hours a week, on an average, during the entire course. The time for this extra work is provided, in part, by the omission of a portion of the work in Natural History and Philosophy and the omission of a third language in the Senior year and in part by requiring additional hours of attendance at the College, making the total number of hours in this course twenty-three a week, while in the others it is twenty. In addition to the above a course in Elementary Mechanical Drawing is introduced in place of some of the free-hand drawing in the three lower classes.

In the Classical and Scientific Courses workshop practice is permitted in the afternoons, so far as the capacity of the shops will allow, to such students as, in the opinion of the Faculty, can perform this work without interfering with their studies.

In addition to the lectures and recitations indicated in the following schedule there are exercises in oratory and declamation every morning by students of the Senior, Junior and Sophomore classes.

CLASSICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

	Hours per week.
English	{ <i>Hill's Foundations of Rhetoric, Selections</i> } 3
	{ <i>from Irving's Sketch Book,</i> }
Latin.....	<i>Allen and Greenough's Grammar, Leighton's Lessons,</i> 5
Algebra	<i>Wentworth,</i> 5
Anatomy and Physiology.....	<i>Lectures</i> 2
Free-hand Drawing from Flat and Round.....	3
Elements of Physics.....	<i>Lectures and Cooley,</i> 2

FIRST YEAR—SECOND TERM.

English	{ <i>Hill's Foundations of Rhetoric, Longfellow's</i> } 3
	{ <i>Evangeline,</i> }
Latin.....	<i>as in first term,</i> 5
Algebra	<i>Wentworth,</i> 2
Geometry	<i>Davies' Legendre,</i> 3
Botany	<i>Bergen,</i> 2
Free-hand Drawing from Flat and Round.....	3
Elements of Physics	<i>as in first term,</i> 2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary</i> } 2
	{ <i>Reader,</i> }
Latin.....	{ <i>Herbermann's Sallust, Allen and Greenough's</i> } 3
	{ <i>Grammar, Prose Composition,</i> }
Greek.....	<i>Goodwin's Grammar, White's First Lessons,</i> 3
History.....	<i>Myers' General History,</i> 3
Algebra.....	<i>Loomis,</i> 2
Geometry	<i>Davies' Legendre,</i> 3
Descriptive Geometry	<i>Woolf,</i> 2
Zoölogy	<i>Lectures and Orton,</i> 2
Compositions.	

SECOND YEAR—SECOND TERM.

English	{ <i>Nichol's English Composition, Cathcart's Literary</i> } 2
	{ <i>Reader, Scott's Lady of the Lake,</i> }
Latin.....	<i>Cicero's Orations, Grammar and Prose Composition,</i> 3
Greek.....	<i>as in first term, and Goodwin's Xenophon's Anabasis,</i> 3
History.....	<i>Myers' Modern History,</i> 3
Geometry	<i>Davies' Legendre,</i> 2
Plane Trigonometry and Mensuration {	<i>Wheeler, Compton's Man-</i>
	<i>ual, Loomis' Logarithms,</i> }
Zoölogy	<i>as in first term,</i> 2
Shades and Shadows and Perspective	2
Compositions.	

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

		Hours per week.
English	{ <i>Shaw's English Literature, Shakespeare's Julius</i> <i>Cæsar, Genung's Rhetoric and Handbook of</i> <i>Literary Analysis, Lang's Blue Poetry Book,</i> }	4
Logic	<i>Jevons,</i>	1
Latin.....	<i>Frieze's Virgil's Æneid, Grammar, Prose Composition,</i>	2
Greek.....	{ <i>Goodwin's Grammar and Anabasis, Arnold's</i> <i>Prose Composition,</i> }	3
History.....	<i>Thompson's History of England,</i>	2
Chemistry.....	<i>Clowes' Practical and Analytical Chemistry,</i>	2
Spherical Trigonometry, Surveying and Navigation	{ <i>Wheeler and</i> <i>Docharty,</i> }	3
Free-hand Drawing—Course of Ornament.....		3
Compositions and Declamations.		

THIRD YEAR—SECOND TERM.

English	{ <i>Shaw's English Literature, Genung's Rhetoric, and</i> <i>Handbook of Literary Analysis, Webster's Bunker</i> <i>Hill Orations, Lang's Blue Poetry Book,</i> }	4
Logic.....	<i>as in first term,</i>	1
Latin.....	<i>Lincoln's Livy, Grammar, Prose Composition,</i>	2
Greek....	{ <i>Goodwin's Grammar, Arnold's Prose Composition,</i> <i>Winan's Xenophon's Memorabilia and Plato's Crito,</i> }	3
History.....	<i>as in first term,</i>	2
Chemistry	<i>as in first term,</i>	2
Analytical Geometry.....	<i>Peck,</i>	3
Drawing—Study of the Human Form.....		3
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English, Poetry	<i>Syle's From Milton to Tennyson,</i>	2
Latin.....	{ <i>C. L. Smith's Horace, Tyler's Tacitus, Agricola and</i> <i>Germania, Grammar, Prose Composition,</i> }	4
Greek.....	{ <i>Goodwin's Greek Grammar, Arnold's Prose</i> <i>Composition, Demosthenes' Orations,</i> }	3
{ International Law*.....	<i>Woolsey's International Law</i>	2
or		
{ Psychology.....	<i>Dewey,</i>	
Mechanics and Acoustics.....	<i>Lectures and Bartlett,</i>	4
Chemical Physics	<i>Pyncheon,</i>	2
History	{ <i>Lectures and Harl's Formation of the Union,</i> <i>Cooleys Constitutional Law,</i> }	2
Anthropology, Zoölogy.....	<i>Lectures and Orton,</i>	1
Original Declamations.		

*In the Junior year the students in the Classical Course have the option between Mathematics (the Calculus) and Philosophy (Law and Economy).

FOURTH YEAR—SECOND TERM.

Hours
per week,

English Poetry.....	<i>Syle's From Milton to Tennyson,</i>	2
Latin.....	{ <i>Cicero's Letters, Horace's Satires and</i> <i>Epistles, Prose Compositions,</i> }	4
Greek.....	{ <i>Grammar and Prose Composition, Selections from</i> <i>Iliad or Odyssey of Homer,</i> }	3
Optics and Astronomy.....	<i>Lectures and Bartlett, Newcomb,</i>	4
Political Economy.....	{ <i>White's Money and Banking, and</i> <i>Andrew's Political Economy,</i> }	2
{ Psychology.....	<i>McLellan,</i> }	2
{ or Chemical Physics.....	<i>as in first term,</i> }	
History.....	<i>as in first term,</i>	2
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German.....	<i>Sheldon's Grammar, Whitney's Reader</i>	4
or {	<i>Complete French Course, based on Chardenal, Freeborn,</i>	
French {	<i>Morceaux Choisis d' Alph. Daudet,</i>	
or {	<i>Ollendorff's Grammar, Morales' Reader, Butler's</i>	
Spanish {	<i>Phrases, Iriarte's Fables, Roemer's Spanish Polyglot,</i> <i>and English Polyglot.</i>	
Latin.....	{ <i>Cicero de Natura Deorum, Grammar, Harrington's Plautus,</i> }	3
Greek {	<i>A play of Æschylus or Sophocles or Euripides, Selections</i> <i>from Herodotus and Thucydides, Jevons' Greek Literature, Grammar, Arnold's Prose Compositions,</i>	3
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry</i>	3
{ Psychology.....	<i>Lectures and Dewey,</i>	4
{ English.....	<i>Shakespeare's Hamlet,</i>	1
or {		
Pedagogics.....	<i>Fitch, Garlick, Browning, Landon and Lectures,</i>	5
Geology, Mineralogy, and Palæontology.....	<i>Lectures and Scott,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German or Spanish.....	<i>as in first term,</i> }	4
{ or French.....	<i>Demogeot, Textes, Classiques, Vols. I. II,</i> }	
Latin.....	<i>Cicero's de Natura Deorum, Lindsay's Juvenal,</i>	3
Greek.....	{ <i>A play of Aristophanes, Lectures on the</i> <i>Language and Literature, Jevons,</i> }	3
{ History of Philosophy, Ethics..	<i>Lectures, and Mayor, Weber, Janet,</i>	4
{ English.....	<i>Chaucer's Prologue and Knight's Tales,</i>	1
or {		
Pedagogics.....	<i>Fitch, Garlick, Browning and Lectures,</i>	5
Chemistry.....	<i>as in first term,</i>	3
Geology, Mineralogy, and Palæontology.....	<i>as in first term,</i>	1
Æsthetics and the History of Art.....	<i>as in first term,</i>	1
Original Declamations.		

SCIENTIFIC COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.

	Hours per week.
English	{ <i>Hill's Foundations of Rhetoric, Selections</i> } 3
	from <i>Irving's Sketch Book</i> ,
French.....	<i>Complete French Course, based on Chardenal,</i> 5
Algebra.....	<i>Wentworth,</i> 5
Anatomy and Physiology.....	<i>Lectures,</i> 2
Free-hand Drawing from Flat and Round.....	3
Elements of Physics.....	<i>Lectures and Cooley,</i> 2

FIRST YEAR—SECOND TERM.

English.....	{ <i>Hill's Foundations of Rhetoric, Long-</i> } 3
	<i>fellow's Evangeline,</i> }
French.....	<i>Freeborn, Morceaux Choisis d'Alph. Daudet,</i> 5
Algebra.....	<i>Wentworth,</i> 2
Geometry.....	<i>Davies' Legendre,</i> 3
Botany	<i>Bergen,</i> 2
Free-hand Drawing from Flat and Round.....	3
Elements of Physics.....	<i>as in first term,</i> 2

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> } 2
	<i>Reader,</i> }
French	<i>Demogeot, Textes Classiques, Vol II,</i>
{ German.....	<i>Eysenbach's Grammar,</i> }
{ or	{ <i>Ollendorff, Morales' Reader, Butler's Phrases,</i> }
{ Spanish	<i>Iriarte's Fables.</i> }
History.....	<i>Myer's General History,</i> 3
Algebra.....	<i>Loomis,</i> 2
Geometry.....	<i>Davies' Legendre,</i> 3
Zoölogy.....	<i>Lectures and Orton,</i> 2
Descriptive Geometry.....	<i>Woolf,</i> 3
Compositions.	

SECOND YEAR—SECOND TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> } 2
	<i>Reader, Scott's Lady of the Lake,</i> }
French.....	<i>as in first term,</i> 3
{ German.....	{
{ or	{ <i>as in first term,</i> 2
{ Spanish.....	{
History.....	<i>Myer's Modern History,</i> 3
Geometry.....	<i>Davies' Legendre,</i> 2
Plane Trigonometry and Men-	{ <i>Wheeler, Loomis' Loga-</i>
suration.	<i>rithms, Compton's Manual,</i> }
Shades, Shadows and Perspective.....	3
Zoölogy.....	<i>as in first term,</i> 2
Compositions.	

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

	Hours per week.
English. { <i>Shaw's English Literature, Shakespeare's Julius Cæsar,</i> <i>Genung's Rhetoric, and Handbook of Literary Analysis,</i> <i>Lang's Blue Poetry Book,</i> }	4
Logic.....	Jevons, 1
French.....	<i>Demogeot, Textes Classiques, Vol. I,</i> 2
{ German.....	<i>Hauff's Karavane, Eysenbach's Grammar,</i> }
or	
{ Spanish..	<i>Iriarte's Fables, Ollendorff, Roemer's Polyglot Readers,</i> }
History.....	<i>Thompson's History of England,</i> 2
Spherical Trigonometry, Surveying and Navigation {	<i>Wheeler and</i> }
	<i>Docharty,</i> }
Free-hand Drawing—Course of Ornament.....	3
Chemistry.....	<i>Clowe's Practical and Analytical Chemistry,</i> 2
Compositions and Declamations.	

THIRD YEAR—SECOND TERM.

English.. { <i>Shaw's English Literature, Genung's Rhetoric, and</i> <i>Handbook of Literary Analysis, Webster's Bunker</i> <i>Hill Orations, Lang's Blue Poetry Book,</i> }	4
Logic.....	<i>as in first term,</i> 1
French.....	<i>as in first term,</i> 2
{ German.....	
or	
{ Spanish.....	<i>as in first term,</i> }
History.....	<i>as in first term,</i> 2
Analytical Geometry.....	<i>Peck,</i> 3
Drawing—Study of the Human Form.....	3
Chemistry.....	<i>as in first term,</i> 2
Compositions and Declamations.	

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Poetry.....	<i>Syle's From Milton to Tennyson,</i> 2
{ German.....	<i>Pütz's Reader, Eysenbach's Grammar,</i> }
or	
{ Spanish.....	<i>Moratin, Don Quixote, Roemer's Polyglot</i> <i>Reader, Morales' Reader,</i> }
{ International Law.....	<i>Woolsey's International Law,</i> }
or	
{ Psychology.....	<i>Dewey,</i> }
Differential and Integral Calculus.....	<i>Peck,</i> 3
Chemical Physics.....	<i>Fiske, Pynchon,</i> 2
History..... { <i>Lectures and Hart's Formation of the Union,</i> <i>Cooley's Constitutional Law,</i> }	2
Acoustics, and Optics and Heat.....	<i>Lectures and Bartlett,</i> 3
Anthropology, Zoölogy.....	<i>Lectures and Orton,</i> 1
Original Declamations.	

FOURTH YEAR—SECOND TERM.

Hours
per week.

English Poetry	<i>Syle's From Milton to Tennyson,</i>	2
{ German.....	} <i>as in first term,</i>	5
or		
{ Spanish.....		
Political Economy.....	{ <i>White's Money and Banking, and</i> <i>Andrew's Political Economy,</i>	{ 2
Differential and Integral Calculus.....	<i>as in first term,</i>	3
{ Psychology.....	} <i>McLellan,</i>	2
or		
{ Chemical Physics.....		
History.....	<i>as in first term,</i>	2
Acoustics and Optics and Heat.....	<i>as in first term,</i>	3
Anthropology, Zoölogy.....	<i>as in first term,</i>	1
Original Declamations.		

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

{ German.....	} <i>Sheldon's Grammar, Whitney's Reader,</i>	5
or		
{ Latin.....	} <i>Grammar, Leighton's Lessons, Harkness' Cæsar,</i>	5
or		
{ Spanish... {	<i>Ollendorff's Grammar, Butler's Phrases, Iriarte's</i>	
	<i>Fables, Roemer's Polyglot Reader,</i>	
{ Psychology.....	<i>Lectures and Dewey,</i>	4
{ English.....	<i>Shakespeare's Hamlet,</i>	1
or		
{ Pedagogics.....	<i>Fitch, Garlick, Browning, Landon and Lectures,</i>	5
Chemistry.....	<i>Bloxam, Clowes' Practical Chemistry,</i>	3
Mechanics and Astronomy.....	<i>Bartlett and Newcomb,</i>	5
Geology, Palæontology and Mineralogy.....	<i>Lectures and Scott,</i>	1
Æsthetics and the History of Art.....	<i>Lectures,</i>	1
Original Declamations.		

FIFTH YEAR—SECOND TERM.

{ German.....	} <i>as in first term,</i>	5
or		
{ Latin.....	} <i>Grammar, Leighton's Lessons, Chace's</i>	5
or		
{ Spanish.....	<i>Cicero, Frieze's Virgil's Æneid,</i>	
	<i>as in first term,</i>	
{ History of Philosophy, Ethics, {	<i>Lectures, and Mayor, Weber, {</i>	4
	<i>Janet,</i>	
{ English.....	<i>Chaucer's Prologue and Knight's Tales,</i>	1
or		
{ Pedagogics.....	<i>as in first term,</i>	5
Chemistry.....	<i>as in first term,</i>	3
Mechanics and Astronomy.....	<i>as in first term,</i>	5
Geology, Palæontology and Mineralogy.....	<i>as in first term,</i>	1
Æsthetics and the History of Art... ..	<i>as in first term,</i>	1
Original Declamations.		

MECHANICAL COURSE.

SUB-FRESHMAN CLASS.

FIRST YEAR—FIRST TERM.		Hours per week.
English	{ <i>Hill's Foundations of Rhetoric, Selections</i> <i>from Irving's Sketch Book.</i> }	3
French.....	<i>Complete French Course, based on Chardenal,</i>	5
Algebra.....	<i>Wentworth,</i>	5
Free-hand and Mechanical Drawing.....		3
Elements of Physics.....	<i>Lectures and Cooley,</i>	2
Workshop and Mechanical Theory....	{ <i>Compton's First Lessons</i> <i>in Woodworking,</i> }	5

FIRST YEAR—SECOND TERM.

English.....	{ <i>Hill's Foundations of Rhetoric,</i> <i>Longfellow's Evangeline,</i>	{ 3
French.....	{ <i>as in first term, and Freeborn, Morceaux</i> <i>Choisis d' Alph. Daudet,</i>	{ 5
Algebra.....	<i>Wentworth,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	3
Free-hand and Mechanical Drawing.....		3
Elements of Physics.....	<i>as in first term,</i>	2
Workshop and Mechanical Theory.....	<i>as in first term,</i>	5

FRESHMAN CLASS.

SECOND YEAR—FIRST TERM.

English.....	{ <i>Nichol's English Composition, Cathcart's Literary</i> }	2
German.....	<i>Eysenbach's Grammar,</i>	4
French.....	<i>Demogeot, Textes Classiques, Vol. II,</i>	3
History.....	<i>Myers' General History,</i>	2
Algebra.....	<i>Loomis,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	2
Descriptive Geometry and Mechanical Drawing.....	<i>Woolf,</i>	2
Workshop and Theory.....	<i>Compton's First Lessons in Metal Working,</i>	5
Compositions.....		

SECOND YEAR—SECOND TERM.

English....	{ <i>Nichol's English Composition, Cathcart's Literary Reader, Scott's Lady of the Lake,</i>	2
German.....	as in first term,	4
French.....	as in first term,	3
History.....	<i>Myers' Modern History,</i>	2
Geometry.....	<i>Davies' Legendre,</i>	2
Plane Trigonometry and Mensuration.	{ <i>Wheeler, Loomis' Logarithms, Compton's Manual,</i>	3
Shades, Shadows and Perspective, and Mechanical Drawing.....		2
Workshop and Theory.....	as in first term,	5
Compositions.		

SOPHOMORE CLASS.

THIRD YEAR—FIRST TERM.

Hours
per week.

English.....	{ <i>Shaw's English Literature, Shakespeare's Julius</i> <i>Cæsar, Genung's Rhetoric and Handbook of</i> <i>Literary Analysis, Lang's Blue Poetry Book,</i> }	4
French.....	<i>Demogeot, Textes Classiques, Vol. II,</i>	2
German.....	<i>Hauff's Karavane, Eysenbach's Grammar,</i>	3
History.....	<i>Thompson's History of England,</i>	2
Spherical Trigonometry, Surveying and Navigation	{ <i>Wheeler,</i> } { <i>Docharty,</i> }	3
Logic.....	<i>Jevons,</i>	1
Drawing (Mechanical).....		2
Chemistry.....	<i>Clowes,</i>	2
Workshop and Theory.....		4
Compositions.		

THIRD YEAR—SECOND TERM.

English.	{ <i>Shaw's English Literature, Genung's Rhetoric</i> <i>and Handbook of Literary Analysis, Web-</i> <i>ster's Bunker Hill Orations, Lang's Blue</i> <i>Poetry Book,</i> }	4
French.....	<i>as in first term,</i>	2
German.....	<i>as in first term,</i>	3
History.....	<i>as in first term,</i>	2
Analytical Geometry.....	<i>Peck,</i>	3
Logic.....	<i>Jevons,</i>	1
Drawing (Mechanical).....		2
Chemistry.....	<i>as in first term,</i>	2
Workshop and Theory.....		4
Compositions and Declamations.		

JUNIOR CLASS.

FOURTH YEAR—FIRST TERM.

English Poetry	<i>Syle's From Milton to Tennyson,</i>	2
German	<i>Pütz's Reader, Eysenbach's Grammar,</i>	3
{ International Law	<i>Woolsey's International Law,</i>	{
or		
{ Psychology	<i>Dewey and Lectures,</i>	2
Differential and Integral Calculus	<i>Peck,</i>	3
Chemical Physics	<i>Fiske, Pynchon,</i>	2
History	{ <i>Lectures and Hart's Formation of the</i>	{
	<i>Union, Cooley's Constitutional Law,</i>	
Drawing		2
Acoustics and Optics and Heat....	<i>Lectures and Bartlett,</i>	3
Anthropology, Zoölogy	<i>Lectures and Orton,</i>	1
Workshop and Theory		3
Original Declamations.		

FOURTH YEAR—SECOND TERM.

	Hours per week.
English Poetry <i>Syle's From Milton to Tennyson,</i>	2
German <i>as in first term,</i>	3
Political Economy { <i>White's Money and Banking and</i> <i>Andrew's Political Economy,</i> }	2
Differential and Integral Calculus <i>as in first term,</i>	3
{ Chemical Physics <i>as in first term,</i>	2
{ or Psychology <i>McLellan,</i>	2
History <i>as in first term,</i>	2
Drawing	2
Acoustics and Optics and Heat <i>as in first term,</i>	3
Anthropology, Zoölogy <i>as in first term,</i>	1
Workshop and Theory	3
Original Declamations.	

SENIOR CLASS.

FIFTH YEAR—FIRST TERM.

Theory of Prime Movers	4
Psychology <i>Lectures and Dewey,</i>	4
Chemistry <i>Bloxam, Clowes,</i>	3
Mechanics and Astronomy <i>Bartlett and Newcomb,</i>	5
Geology, Palæontology, Mineralogy <i>Lectures and Scott,</i>	1
Æsthetics and the History of Art <i>Lectures,</i>	1
English <i>Shakespeare's Hamlet,</i>	1
Workshop, Drawing and Theory	4
Original Declamations.	

FIFTH YEAR—SECOND TERM.

Theory of Prime Movers	4
History of Philosophy, Ethics . . <i>Lectures and Mayor, Weber, Janet,</i>	4
Chemistry <i>as in first term,</i>	3
Mechanics and Astronomy <i>as in first term,</i>	5
Geology, Palæontology, Mineralogy <i>as in first term,</i>	1
Æsthetics and the History of Art <i>as in first term,</i>	1
English <i>Chaucer's Prologue and Knight's Tale,</i>	1
Workshop, Drawing and Theory	4
Original Declamations.	

SCHEDULE

EXHIBITING THE SUBJECTS OF STUDY, TOGETHER WITH THE NUMBER OF WEEKLY RECITATIONS PER CLASS
AND TERM IN EACH SUBJECT.

	SUB-FRESH- MAN CLASS.		FRESHMAN CLASS.		SOPHOMORE CLASS.		JUNIOR CLASS.		SENIOR CLASS.	
	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.	First Term.	Second Term.
LANGUAGES	English	3	2	2	2	2	2	2	1	1
	{ Latin	5	3	3	2	2	4	4	3	3
	{ Greek		3	3	3	3	3	3	3	3
	{ German, or French, or Spanish								4	4
	or									
HISTORY	{ French	5	3	3	2	2			5	5
	{ German or Spanish*		2	2	3	3	5	5		
	{ Spanish, German or Latin									
	Rhetoric				2	2				
	General History		3	3						
PHILOSOPHY	English History				2	2				
	United States History						2	2		
	Logic†				1	1				
	Moral Philosophy									
	Psychology									
	History of Philosophy								4	
	Political Economy									3
	Political Science							2		
	Pedagogics						2			
									5	5

Departments of Study.

The following statements are intended to explain the course of study in the several departments and the methods pursued :

ENGLISH LANGUAGE AND LITERATURE.

The course in English includes the study of Rhetoric and Composition and the study of English Literature. The two branches, however, are pursued simultaneously and are so taught that each elucidates and assists the other.

In the Sub-Freshman and Freshman years, the students are trained in the writing of separate paragraphs, and toward the end of the term, they have practice in combining their thoughts into a connected essay. In the Sophomore year, they begin with a study of Plan and Kinds of Composition, and afterwards proceed to the Principles of Style. The work of these three years includes recitations upon rhetorical text-books, fortnightly compositions, and the analysis of selected paragraphs, essays and orations. In the two higher classes, rhetoric is not formally taught, but frequent essays are written and criticized.

At the same time that the students receive this training in expression, they are also trained in literary appreciation. Beginning with Irving's *Sketch-Book* and Longfellow's *Evangeline* in the Sub-Freshman class, they receive, during the next year, a general outline of English Literature, as exhibited in brief typical selections. A more thorough study of the history of English Literature occupies the Sophomore year, those leading authors, who represent the

most important movements, being taken up during the first term, and the minor writers during the second. Shakespeare's *Julius Cæsar* is thoroughly analyzed, and Lang's *Blue Poetry Book* is used to furnish illustrations of the characteristics of the English poets.

In the Junior year, the students are trained in the practice of criticism. They apply a strict method of analysis to a selection of English poems, beginning with Milton and closing with Tennyson, and the material thus gathered is set forth in a series of critical and expository essays. Each term a more thorough investigation of a selected poet is undertaken at home, the results of this study also being embodied in an essay of moderate length.

The first term of the Senior year is devoted to *Hamlet*, the second to Chaucer's *Prologue* and *Knight's Tale*. In considering these masterpieces, attention is about equally divided between literary art and linguistic peculiarities.

Throughout the course, the students are required to read at home a stated number of books, chosen by themselves from lists which are announced to them. Occasional lectures are delivered to all the classes, but recitations upon these are always exacted.

As original orations by the Juniors and Seniors form part of the regular chapel exercises, a portion of the time is devoted to the study of this form of composition. Four of Webster's orations are analyzed during the second term of the Sophomore year, and exercises in oratorical form are written. An equivalent amount of work is also included in the Junior course. The orations written by the students are criticized by members of the department and revised by their authors until they are considered fit for delivery.

LATIN LANGUAGE AND LITERATURE.

This department comprises a longer and a shorter course. The five years' course begins, in the Sub-Freshman Class, with the elements of the language, and includes the authors generally studied in colleges. That the students in this College are enabled to cover so much ground in five

years is due to several causes. In the first place, they begin the study at a more advanced age than boys in classical preparatory schools. In the next place, considerable time is devoted to it in the highest classes, where in many colleges it disappears wholly from the plan of studies.

Again, the training proceeds upon a uniform method from first to last. Lastly, the thoroughness of the College examinations secures classes of nearly uniform acquirements, so that the progress of the class is not retarded by the presence of ill-prepared students.

As the object of all good teaching is to make the scholar independent of the teacher, the department aims, above all else, to impart to the students correct methods. Hence, two years are devoted wholly to the study of the prose writers, on which the syntax of our grammars is based (*Cæsar, Cicero, Sallust*). Only when the students are able to feel a deviation from the rules there laid down do they take up *Virgil* and *Horace*, and the ante-classic and post-classic writers. To keep before them the ideal of classic prose, some of *Cicero's* writings are read in the Junior and Senior years. To make the study of Latin a means of acquiring a more thorough command of the mother tongue, idiomatic translation is insisted on. While grammatical construction is everywhere carefully explained, care is taken that the scholar shall not forget that, in every literature, language is but the dress of thought. Hence, the subject matter is explained thoroughly and illustrated by reference to history, mythology, art, social and political antiquities, law and etymology.

A course of one year is open to such of the Scientific Seniors as elect it. Their previous language studies enable them to make rapid progress. They read selections from *Cæsar* and *Sallust*, an oration of *Cicero* and a book of *Virgil*.

GREEK LANGUAGE AND LITERATURE.

The study of Greek is begun in the Freshman year. The students learn the paradigms, the orthography and the

general rules of syntax, complete a course of fifty-five lessons in White's *Lessons in Greek*, and read two chapters of the first book of the *Anabasis*.

In the Sophomore year, etymology and the general rules of syntax are thoroughly reviewed and the details studied. There are weekly exercises in the elements of Greek prose composition.

Selected passages are read in the first four books of the *Anabasis*, the *Memorabilia* and a dialogue of *Plato*; about fifty pages in all. In the first the attention of the students is directed to the historical and geographical allusions, and in the last two, in addition to these, to the doctrines and opinions propounded. During this year a parallel is drawn between the Greek and Latin syntax, thereby greatly aiding the student; and the difference of the English idioms dwelt upon.

In the Junior year the exercises in composition are continued. Attention is directed to the formation of words. Either three popular orations of Demosthenes or selections from the *De Corona* are read, with attention to history and geography, and a critical analysis of the orator's style. About two books of either the *Iliad* or the *Odyssey* are read, attention being given to the scansion and Homeric syntax and dialect; and the Homeric question is presented.

The Seniors read selections from Herodotus and Thucydides, accompanied with criticisms of the styles and short lectures on the historical episodes discussed. Also, there are read portions of a tragedy and one or two comedies. Lectures are given on the drama and theatre, and on the Greek language and literature, and students are informed, from time to time, of the results of archæological research in Greece and countries under ancient Greek influences.

FRENCH LANGUAGE AND LITERATURE.

The *Complete French Course*, based on Chardenal, is the first book for the Sub-Freshman year. One lesson a day is studied during the first term, and the exercises attached to

it are written at home. During the second term, two lessons of the same book are studied every other day, and selections from the exercises are written. A dictation in French and exercises of selected English sentences are given weekly in the class-room during the second term. The study of Chardenal is completed in the second term.

A systematic study of the conjugations is taken up early and continued until completed.

Freeborn's *Morceaux Choisis d'Alph. Daudet* are read in the text and translated into English every other day during the second term.

The teaching is, as far as practicable, carried on in French.

In the Freshman year, the work consists of oral translation from the French, based upon logical and grammatical analysis. The text-book is Demogeot, *Textes Classiques*, vol. II. A dictation in French is given weekly in the class-room during the second term.

In the Sophomore year, the time is devoted to translations into English; a lecture in French, by the instructor, on the piece translated, and notes in French written at home and rendered to the instructor on the following recitation day.

Every fourth day the students give in French oral *résumé* of the last three lessons.

The text-book is Demogeot, *Textes Classiques*, vol. I.

Extracts from Mme. de Sévigné, Fénelon, Bossuet, La Fontaine, Molière, Corneille, and Racine are read critically.

For students of the Classical Course who elect French in the Senior year, the course is so modified as to apply to advantage their previous training, especially their knowledge of Latin.

The text-books used in this department are the *Complete French Course*, based on Chardenal, and Freeborn's *Morceaux Choisis d'Alph. Daudet*; Demogeot, *Textes Classiques*, vols. I and II.

GERMAN LANGUAGE AND LITERATURE.

The time allotted to German in each of the three courses, the distribution of it and the text-books are given on preceding pages. The objects sought to be attained are the acquisition of a reasonably large vocabulary and the ordinary phraseology ; ability to read easier German without the dictionary and more difficult German with the dictionary ; acquaintance with the writers, especially with the poets, whom Germans rank highest, and with a number of poems Germans know and are fond of ; ability to write and speak German properly, within limits. The history of the language is not undertaken, but attention is called to interesting etymologies and grammatical facts, and anomalies are explained as far as possible.

SPANISH LANGUAGE AND LITERATURE.

The study of the Spanish language and literature is entirely optional.

The Scientific students begin Spanish in the Freshman year. The elements of the language are acquired by the study of selections from Butler's *Phrase Book*, and the reading of selections in prose and verse from Iriarte and Morales' *Reader*.

In the Sophomore year Quintana's *Lives* are read, exercises in dictation are added, and Sales' *Grammar* and Pizarro's *Phrases* are used.

The Juniors review the grammar by the study of Sales' work ; they translate Moratin's comedy, *El si de las Ninas*, and selections from *Don Quixote* ; make oral and written translations of English selections of various styles ; write Spanish compositions, and study Spanish versification and literature.

The work of the Classical students in the Senior Class does not differ materially from that outlined above, except as it is affected by the shortness of the course ; which is, however, in a degree compensated for by the greater maturity and better preparation of the class.

The History Course extends through the Freshman, Sophomore and Junior years in all the College courses. The Freshman Class study Myers' *General and Modern History*, with map illustrations and exercises.

This general view of the history of Europe is succeeded, in the Sophomore Class, by the thorough study of English History. Thompson's *History* is taken as a guide, but the instructors add largely, by explanation and lecture, to the matter contained in the text-book.

In the Junior year the study of American History is taken up, the aim of the course being not only to extend the student's knowledge in this field, but also to lead him into critical and comprehensive methods of studying the history of his own country. The important events from the period of discovery to the present times are examined mainly with reference to their causes and influence, while due attention is paid to constitutional and institutional history. Topics such as the following are treated: The gradual unfolding of the New World to the Old; the struggle for possession here by European powers; Colonial life and tendencies; the growth of liberty and of local self-government, involving the relation of American history to English; the Revolution; history of American politics, etc. American constitutional history is fully treated and followed in natural order with the study of American constitutional law, including comparisons with the constitutions of other nations. Students are called upon to discuss the subjects in the class-room, where they become familiar with the standard, and, as far as possible, original authorities on, American history. They also write one or more essays during the year. Hart's *Formation of the Union* and Cooley's *Constitutional Law* are the text-books supplementing lectures.

The Historical Cabinet contains a collection of electrotypes of nearly four hundred of the finest ancient coins in the British Museum, the obverse and the reverse of each coin being shown. The arrangement exhibits, chronologi-

cally and geographically, the history of coinage from 700 B. C. to the Christian Era. An additional section, one of a small number yet seen in the United States, exhibits the most famous medallions struck from A. D. 1 to 217. The whole collection is the gift of the Class of '75.

PHILOSOPHY.

The studies in this department are commenced in the Sophomore year. Logic, deductive and inductive, is then studied as a preparatory discipline. The first term of the Junior year is devoted to the study of international law; during the second term economic science is taken up, and special attention is given to questions of international trade, money and banking.

In the Senior year Psychology is studied during the first term. The treatment is descriptive, physiological and experimental. The subjects of the second term are History of Philosophy and Ethics. Philosophical doctrines and systems of historic importance are examined, their evolution is traced and their implications are developed. Select topics in practical ethics are discussed, Janet's *Manual* being used as a basis.

A three years' course in pedagogy is offered to students intending to teach. This course begins in the Sophomore year with the study of Logic; the Junior year is devoted to Psychology, and the Senior year work is in the History of Education and the Principles and Practice of Education.

MATHEMATICS.

The course in Pure Mathematics is the same for all students as far as the close of the Sophomore year.

The Sub-Freshman Class study Wentworth's *Algebra* from the beginning through Equations of the Second Degree, and Davies' *Legendre* through the third book, with additional problems and theorems from the appendix and elsewhere.

The Freshman Class complete the Geometry; they study Mensuration and Plane Trigonometry, using

Wheeler's *Treatise* as a text-book, and higher Algebra, including the theory of Logarithms from Loomis' *Treatise*; and are practiced in logarithmic computation, using Compton's *Manual*.

In the first term the Sophomore Class go through Wheeler's *Spherical Trigonometry*, and are taught *Surveying and Navigation* orally, and in the second term study Peck's *Analytical Geometry*, embracing the Geometry of Three Dimensions as far as surfaces of Revolution.

The Junior Class study Differential and Integral Calculus. Peck's *Treatise* is used as a text-book, and is completed as far as the Applications to Mechanics and Astronomy.

NATURAL HISTORY.

The arrangement of the studies in this department is as follows :

SUB-FRESHMAN—	{ Anatomy. Botany. }	Two hours per week	{ Lectures. Text-book (<i>Bergen</i>). }
FRESHMAN—Zoölogy.		Two hours per week	{ Text-book (<i>Orton</i>). and Lectures. }
JUNIOR—Anthropology.		One hour per week	Lectures and <i>Orton</i> .
SENIOR—	{ Mineralogy. Palæontology. Geology. }	{ One hour per week }	{ Text-book (<i>Scott</i>). and Lectures. }

As the object of the instruction is to teach the students to observe carefully, to record accurately—to know the thing *itself*, the class-room work is made, as far as possible, practical.

The course is essentially a *biological* one. The general relations of the inorganic and organic worlds, the phenomena of life, and the structure and life history of typical plants and animals are taught.

A good museum furnishes a great part of the material needed for illustration and study. Mounted specimens, photographs and dissections prepared in the College are being constantly added.

MUSEUM OF NATURAL HISTORY.

The collections contain 10,200 specimens: 550 plants, 750 vertebrates, 3,000 invertebrates, 3,500 minerals, and 2,400 minerals, rocks and fossils. The card catalogue of the specimens is progressing.

A few specimens and models were added during the past year.

In addition to the material purchased by the College, the following gifts have been made:

1. Birds' Eggs, Collection of..... Bashford Dean, A. M., Ph. D.
2. Birds of State of New York }
(100 Spec.)..... } Louis A. Zerega, A. B., M. D.
3. Brush-making Materials..... F. W. Devoe & Co.
4. Butterflies and Moths (500 Spec.) H. J. Muller.
5. Conchological Specimens..... Smithsonian Institution.
6. " " } Townsend Harris.
 } President Alex. S. Webb.
 } Prof. R. Ogden Doremus.
7. Corals of Florida, Collection of... Lt.-Col. Walter McFarland, U. S. A.
8. Craniological Specimens..... Smithsonian Institution.
9. Entomological Collection..... Bashford Dean, A. M., Ph. D.
10. Fishes (500 Spec.), largely }
 South American..... } Commissioner E. G. Blackford.
11. Fossils and Reptiles..... Prof. Solomon Woolf.
12. Fossils and Minerals of "Bad }
 Lands"..... } Prof. William Stratford.
13. Fossils of South Carolina, Col- }
 lection of..... } William T. Rodenbach.
14. General Natural History Col- }
 lection..... } William F. Decker, B. S.
15. Grain, Specimens of..... New York Produce Exchange.
 { President Alex. S. Webb.
 { Nathaniel Jarvis, Jr.
 { H. R. Remsen.
 { Edward Cooper.
 { Jackson Steward.
 { William Wood.
 { David Dudley Field.
16. Ichthyosaurus Communis.....
17. Leathers, Fancy..... Tiffany & Co.
18. Linen, Silks, Furs, Cottons..... E. J. Denning & Co.
19. Miscellaneous Textile Fabrics.... Claflin & Co.
20. Set of Whaling Harpoons (11 }
 Spec.)..... } Bashford Dean, A. M., Ph. D.
21. S. American Woods (60 Spec.)... T. D. & L. Hirsh.
22. Unios of the United States..... Dr. Isaac Lea, Philadelphia.
23. Vegetable Fibers..... J. L. Hollis, Cotton Exchange.

- | | | |
|-----------------------------------|-------------------------|--------------------|
| 24. Wading Birds (25 Spec.)..... | } | W. H. Chesebrough. |
| Games Fishes of Florida..... | | |
| 25. Woods, Foreign and Fancy..... | J. L. Daniels & Co. | |
| 26. Woolen Fabrics..... | Arnold, Constable & Co. | |
| 27. Wools | Managers & Avery. | |
| 28. Minerals, Collection of..... | Joseph & Fred. Wiener. | |
| 29. Rare Australian Fishes..... | Mrs. H. F. Chipman. | |

DESCRIPTIVE GEOMETRY AND DRAWING.

The Sub-Freshman Class is practiced in Drawing in outline from the flat and the round, in surface shading and in elementary perspective, The students draw geometrical forms, architectural and other ornaments of various styles, and the human head from the flat and the round, and are taught some of the principles of design in ornament.

The Freshman class is instructed in Descriptive Geometry, the Professor's *Elements of Descriptive Geometry* being used as a book of reference. The instructor lectures and demonstrates at the blackboard; and the students solve every problem graphically in their drawing-books. The subject is carried through Sections and Intersections, Tangency and Development, and practical applications are made. Practice in the elements of tinting is also afforded from time to time. In the second term the subjects pursued are Shades and Shadows and Perspective. Shadows are determined in artificial and natural light; the general principles of reflection are taught. Application is made occasionally to mechanical, architectural and artistic drawing.

In the Sophomore year the students draw from the Cast, either ornaments or organic forms, according to individual ability; they shade in charcoal, crayon, etc.

The Professor delivers to the Senior Class a series of lectures on Æsthetics and the History of Art and the several arts.

In the Mechanical Course the work of the other courses is modified by the introduction of Elementary Mechanical Drawing. Students are required to take notes

of lectures and make free-hand sketches in the class-room, which are afterwards to be elaborated into finished drawings to scale. Occasional tasks for home work are likewise given.

In the Sub-Freshman Class one-half the time is devoted to free-hand work, similar in character to that of the other collegiate courses. The Mechanical Drawing for the same period consists of lettering, simple working drawings, wood joints, journals, rivets, bolts, keys, simple couplings, cranks, etc. Working Drawings are made for use in the shop.

In the Freshman Class the work is confined to theoretical drawing, similar to that taught in the other courses.

In the Sophomore Class the theoretical drawing is completed. The parts of the steam engine are explained, finished drawings in ink being made in the classroom from actual pieces of machinery.

The Junior and Senior Classes take up the construction of curves and their application to gears and cams. Link motions and other kinematic problems are also worked out. The slide valve is studied with the aid of Zenner diagram.

The casts belonging to this department are very fine, most of them having been taken from early molds. The collection contains many beautiful examples of the Phidian era, the most notable being a large number from the Frieze of the Parthenon, and a few of the best-preserved Metopes; the heroic statues of Theseus and Cephisus; a Caryatid from the Erechtheion. These copies of the Elgin Marbles were given by Charles M. Leupp, Esq. There are, furthermore, the busts of Jupiter from Otricoli, the Venus of Milo, the Venus of Aries, Juno, the Apollo Belvedere, the Belvedere Torso and examples of the work of Michael Angelo, Cellini and Thorwaldsen.

This department also makes use of a collection of about 275 photographs, the gift of the Class of '75, framed and hung in the halls of the College, illustrating the architecture and sculpture of the Greeks and Romans, early

Christian and Renaissance painting in Italy and a number of the most noted buildings of all European countries. Each print is marked with the name, the date of production and the present location of the subject represented. Egyptian, East Indian, French, English and Italian Gothic architectures are likewise illustrated by a number of photographs purchased by the College.

THE LIBRARY.

The library of the College contains 31,450 volumes. These are distributed in classes as follows:

Theology	875	Spanish Literature.....	254
Philosophy	1,476	Italian ".....	81
Law.....	475	Latin ".....	759
Mathematics	515	Greek ".....	750
Physics.....	2,335	Classical Philology	179
Natural History.....	1,434	Literature in General	252
Medicine	293	Linguistics.....	872
History of Science.....	70	Fine Arts.....	1,120
History.....	7,056	Bibliography.....	226
Biography	1,960	Works of Reference.....	747
Voyages and Travels	1,225	Periodicals.....	3,984
English Literature.....	3,208	Unclassified.....	536
German ".....	882		
French ".....	885	Total.....	32,409

Books may be taken from the library by the students as well as by the instructors; by the Alumni upon a deposit of \$10, and by the teachers of the public schools of the city.

Books have been purchased with the money apportioned to the College while known as the Free Academy, as its share of the Literature Fund of the State; with the income of the Seth M. Grosvenor Fund of \$30,000, and the Ephraim Holbrook Fund of \$5,000. Many books have been presented by authors, publishers and others, and the Board of Trustees has appropriated sums not exceeding \$1,000.

THE WORKSHOP.

Connected with the College is a workshop in which instruction is given in mechanical manipulation and the

elements of mechanical theory. The shop is a room 118 feet by 35 feet, divided into four nearly equal parts. Of these, the first, the wood-working room, contains fifteen double benches, with closets and tools, for a class of thirty. The second, for forge and vise work, contains six forges, twenty anvils, two benches with fifteen vises, a bench for molding, and an assortment of forge and vise tools. It has accommodations for a class of thirty pupils. The third, or lathe room, contains twenty-six speed lathes, for wood or metal turning, four engine lathes, a planer, a circular saw and two testing machines, affording, like the others, accommodations for thirty students. The fourth contains a horizontal steam engine of 25 horse-power, which drives the lathes and grindstones, as well as the dynamos which furnish electric currents for experimental purposes and for the illumination of the shops. In an adjoining room are a Brown & Sharpe's Milling Machine, a gas engine of 8 horse-power to take the place of the steam engine when less power is required, and also a small vertical steam engine, so arranged that it may be taken apart by students to allow of the study of its construction.

The course of study in the workshop extends over the whole five years of the Mechanical Course, and over such portion of this time as may be found practicable for those students of the other courses who may elect it. For the complete course, the exercises and studies in the shop are as follows:

First Year—Theory and use of wood-working tools; properties, defects, treatment and preservation of timbers; use of testing machine in the testing of timber.

Second Year—Theory and use of metal-working tools; properties of metals and modes of working and testing them.

Third Year—Joining metals by riveting, soldering and brazing; use of the speed lathe.

Fourth Year—Use of the engine lathe; screw-cutting, boring, turning, facing; measures of precision; scraping,

finishing and fitting; study of the parts of the steam engine from drawings, models, descriptions and examination of engines.

Fifth Year—Strength of materials; proportioning of parts of engines; managing and testing of engines; physical and mechanical experiments.

DISCIPLINE.

Every student shall conduct himself according to the rules of good manners, good morals and manly propriety; shall give punctual and constant attention to all his duties; shall use the property of the institution with care and economy, and restore the same when required. For violations of the rules of the College, students are demerited, formally admonished or suspended by the President, or dismissed by vote of the Faculty. No student is demerited without receiving notice of the fact and the reason. A student who has received 100 demerit marks in one term, or 175 in one academic year, must leave the College.

EXTRACT FROM THE RULES OF THE FACULTY OF THE COLLEGE OF THE CITY OF NEW YORK.

1. Every periodical or paper published by students, and sold or distributed by them within the College, shall have printed upon it the name of the Managing Editor, who shall be a student.

2. No such periodical or paper shall be sold or distributed in this College until the President shall be satisfied that the foregoing regulation has been complied with.

3. It shall be the duty of the Managing Editor to exclude from the columns of the College publication controlled by him all discourteous remarks, and all remarks whatsoever on the Officers or management of the College.

4. For any infraction of the preceding rules the Managing Editor shall be held responsible.

5. No periodical or paper, whose Managing Editor has violated the preceding rules, shall be sold or distributed in the College while he remains the Editor.

EXAMINATIONS.

There are two examinations of all the students in all departments each year. The first is held at the close of the first term in January. It extends over a fortnight, and is really a rapid review of the studies of the term. It is conducted by means of oral and written recitations, and in accordance with the schedule of recitations pursued during the term. The difference lies mainly in the greater length of the daily lessons and the omission of explanations on the part of the instructor. If, upon the termination of this review, it appears to the Faculty that a student has fallen so far behind as to make it unprofitable for him to attempt to proceed or to make him a drag upon his class, he is not allowed to continue with it. The second examination is held at the close of the second term, in June; it extends over eight working days. It is conducted mainly in writing, so that all the students in the class are examined at the same time and subjected to the same tests. The results of the examination are carefully considered by the Faculty. Those students who have done but indifferently in all or many of the studies, and those who are seriously deficient in several, and it may be in only one, are not advanced. They may, if their parents desire it, devote another year to the same division of the course; but no student is allowed to go over the same grade more than twice.

ALLOWANCE OF MARKS.

1. No student who is absent from any College exercise during the term, except as stated in Rule 3, shall receive any mark for the same until he has given to the President a sufficient explanation of his absence and to the instructor satisfactory evidence, *within one week after such absence*, of having performed the duty assigned for the time of his absence.

2. No marks shall be allowed for absence more than twice in any one term, nor for more than five consecutive days of absence in one term, except on a vote of the Faculty in each case.

3. For one day's absence in each term the President may, at his discretion, direct that a student shall be allowed his average mark for the fortnight in which such absence occurred.

4. In the Examination Review, marks may be allowed for absence of two days, and no more, if the student pass, on examination, in the work of the days of his absence.

5. A student absent from the Examination for Advancement, for good cause, may be examined subsequently for the purpose of determining whether he shall be advanced or not. But no mark shall be given for such examination. At the close of the student's course, however, the Faculty may, on his application, allow for the examinations from which he was absent the average mark of the student in all the examinations in the same department.

MERIT ROLL.

The Merit Roll is made up immediately after the second examination, and is published once a year. On this roll each student is ranked according to his standing in his class, determined by his merit marks received for study and conduct during the two terms and at the examinations.

The Merit Roll maximum for each term in any subject is ascertained by multiplying the number of recitations in a week in that subject by one hundred; one-half of this maximum is for the term work and one-half for the examination.

The maximum of conduct for a term is two hundred, and the conduct mark of each student is determined by deducting from such maximum all his demerit marks.

On the Merit Roll the students are classified Highest, High, Good and Low.

The student who has the greatest number of marks in his class ranks highest.

Students rank High the total of whose marks, in study and conduct together, equals or exceeds eight-tenths of the maximum.

Students rank Good the total of whose marks equals or exceeds six-tenths of the maximum.

The remaining students rank Low.

Commencement.

The Commencement of the College is held on the fortieth Thursday after the opening of the first term.

COMMENCEMENT HONORS.

1. Not more than six orations and dissertations shall be delivered by the students at Commencement.

2. No oration or dissertation shall occupy more than ten or less than seven minutes in its proper delivery.

3. The orators at Commencement shall be the first six members of the Graduating Class in rank, counting from the beginning of the Freshman year to the close of the Senior year.

4. The Valedictory oration shall be the first honor, and the Salutatory shall be the second; the remaining honorary orations shall be numbered according to the rank of the students.

5. If any of these Honor-men, except the Valedictorian and the Salutatorian, have not received eight-tenths of the maximum in Oratory (Composition and Delivery) during the Senior year, their names shall be entered on the programme, marked "Excused," and suitable substitutes in order of rank, shall be appointed.

6. When the student below the sixth rank is thus appointed, his oration shall be entered on the programme as a dissertation. The dissertations shall be numbered according to the rank of the students appointed to deliver them.

EXTRACTS FROM THE MINUTES OF THE FACULTY OF DEC. 22, 1884.

1. On or before the first of April of each year the students of the Senior Class shall hand to the President an

original composition, written as a Graduation thesis, which shall contain not less than seven hundred words, nor more than nine hundred words; these shall be examined by the Professor of the English Language and Literature, and marked on a scale of 50.

2. Any student who shall receive less than 60 per cent. shall be rated deficient, and such deficiency shall be counted a deficiency in one of the branches of study in determining the student's graduation.

3. An Honor-man not otherwise disqualified shall deliver his Graduation thesis on Commencement, if, in the opinion of the President and the Professor of the English Language and Literature, the merits of the composition warrant public presentation, otherwise the author shall not speak at Commencement, but be marked "Excused" on the programme of Commencement exercises, and a suitable substitute shall be provided.

4. No oration shall be delivered at Commencement, unless it have been duly rehearsed before the Professor of the English Language and Literature, or, in case the Professor request it, before some other officer of the College, designated by the President. Each oration shall be finally rehearsed at least once in the College Chapel and once in the hall where the Commencement exercises are to take place; and no student shall be allowed to speak at the Commencement unless his declamation be satisfactory to the officer before whom he has rehearsed, nor unless he have acquired such command of his oration as to be able to speak it without the aid of a prompter.

MEDALS AND PRIZES.

THE PELL MEDALS.

In 1849, Duncan C. Pell, by a gift of \$500, established a gold medal, to be awarded annually to the student who shall rank highest in all the studies of the year taken together, and in 1856 the donor authorized the trustees of the fund to devote a portion of the income to the provision of a silver medal to be given to the student who shall rank second.

Trustees: The Chairman of the Board of Trustees, the President of College, Hon. A. S. Hewitt.

THE CROMWELL MEDALS.

In 1850, Charles T. Cromwell, by a gift of \$500, established a gold medal, to be awarded annually to the best scholar in History and Belles-Lettres, and in 1856 the donor authorized the provision of a silver medal for the second scholar.

Trustees: The President of the College, the Professor of History, Hon. Stuyvesant Fish.

THE WARD MEDALS.

In 1853, Augustus H. Ward established twenty bronze medals, to be awarded annually, each for one of the studies appointed, to the student of most proficiency therein, provided he shall have regularly pursued such study for not less than two months of the collegiate year then closing; a student gaining one medal not be precluded from obtaining others at the same time or subsequently.

The subjects are: Chemistry, Natural History, Natural Philosophy, Moral Philosophy, Political Science, English, Greek, Latin, French, Spanish, German, Oratory,

Composition, Logic, Astronomy, History, Drawing, Algebra and Geometry, Descriptive Geometry, Botany.

Trustees: The Executive Committee of the Board of Trustees.

THE RIGGS MEDALS.

In 1864, Elisha Riggs, by a gift of \$1,000, established a gold medal, to be annually awarded to the author of the best English Prose Composition in the Senior Class, and a gold medal to be awarded to the author of the best English prose Composition in the Junior Class; any surplus of income to be applied by the trustees to further, in any way they may think best, the design of the donor to stimulate the cultivation of English Composition in the College of the City of New York. The competition is open to all who have received not less than four-fifths of the maximum in English Composition from the beginning of the Junior year. The names of the competitors must be handed to the President on or before the second Monday in February. The essays must be handed in on the last day of recitations in May.

Trustees: The President of the College, the Professor of History, the Professor of the English Language and Literature.

THE CLAFLIN MEDALS.

In 1871, John Claflin, by a gift of \$1,250 established two gold and two silver medals, to be awarded as follows:

A gold medal to the student of the Senior Class who shall pass the best competitive examination in Greek; a gold medal to the student of the Junior Class who shall pass the best competitive examination in Latin; a silver medal to the student of the Freshman Class concerning whom the Professor of Greek shall certify that he has made the greatest proficiency in that department, and a silver medal to that student of the Freshman Class who shall receive a corresponding certificate for the Professor of Latin.

Trustees: The President of the College, James P. Lowrey, Esq.

PRIZES FOR DECLAMATION.

THE KELLY PRIZES.

In 1868, James Kelly, by a gift of \$1,000, established two prizes. One prize is given to the best debater in the Literary Societies; three contestants being chosen by the Clionian Society, and three by the Phrenocosmian. The President of the Board of Trustees selects the subject and submits it to the Faculty for approval. The debate is held in the College Chapel during the week preceding Commencement.

The other prize is given to the member of either society who shall write the best critique on some work of English literature. The subject is announced before the Christmas vacation, and the essays must be handed in on the first Monday in June.

The judges of the debate are selected by the President of the Board of Trustees; the judges of the essays are the President of the College, the Professor of History and the Professor of the English Language and Literature.

THE BELDEN PRIZES.

In 1883, William Belden, by a gift of \$1,000, established prizes for excellence in Pure Mathematics. The nature of the prizes and the terms of their award are to be determined from time to time by the President of the College and the Professor of Pure Mathematics.

At present the following prizes are to be awarded annually on Commencement day, in the Junior and Sophomore Classes:

1. A gold medal to the student in each class of greatest proficiency in the studies of the department during the year. This greatest proficiency is to be determined either

from the marks from recitations and on examinations, or by a special competitive examination, as may in each case seem best to the Trustees of the Prize.

2. A silver medal to any other student, in either class, whose aggregate marks for recitations and on examinations shall reach ninety-five per cent. of the maximum.

Trustees: The President of the College, the Professor of Pure Mathematics.

THE F. W. DEVOE & CO. PRIZES.

In 1885, F. W. Devoe & Co. offered two prizes, each to consist of a set of drawing instruments of the value of twenty-five dollars, for proficiency in the Mechanical Arts. They are to be awarded by a committee, consisting of the President of the College, the Chairman of the Executive Committee of the Board of Trustees and the Professor of Applied Mathematics, to the student of greatest merit, in the first and second years, respectively, of the Workshop Course. Students of the Classical and Scientific Courses may compete. The merits of the competitors are to be judged by the excellence and quickness of their work, and by the improvement made by them during the year.

THE KETCHUM PRIZES.

In May, 1891, Alexander P. Ketchum put into the hands of a committee, composed of the Chairman of the Board of Trustees, the President of the College and the Professor of Moral and Intellectual Philosophy, a sum of money sufficient to secure to the Department of Philosophy funds to provide annually four prizes, to be awarded to those students of the Senior and Junior Classes giving the best written evidence of proficiency in Philosophy and Political Economy at the June examinations in those subjects.

THE BENNETT PRIZE IN POLITICAL SCIENCE.

James Gordon Bennett, on May 11, 1893, gave \$1,000 to

the Trustees of the College for the endowment of an annual prize under the following terms :

“ The amount to be invested and kept invested, and the income thereof, or a medal of equal value, to be given annually upon Commencement day to the undergraduate member of the Senior Class who shall have taken the prescribed course of the institution in Political Science and English Literature, and who shall have prepared the best essay in English prose upon some subject of American governmental domestic or foreign policy of contemporaneous interest.

“ The subjects to be selected and announced, the rules of competition formulated, and the decision rendered by the Faculty of the College.”

SERENA MASON CARNES PRIZE.

The Board of Trustees of the College of the City of New York accepted a prize of one hundred dollars, to be known as the SERENA MASON CARNES PRIZE, given by Mr. Mason Carnes, for the best translation by students of the College above the Freshman Class of one or more scenes chosen by the Professors of the French and German Languages and Literature, and the Instructor in Spanish.

PROSE.

In 1852, the President of the Board of Education offered a prize for excellence in public speaking, to be called the PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION; and the successive Presidents of the Board have continued it.

The six speakers contending for this prize are chosen by their classmates, two from each of three higher classes. Only such students are eligible as have not received fifty demerit marks during the first term or twenty-five during the second term preceding the day of the election. They speak selected pieces. The prize is awarded by a committee of gentlemen having no relation to the College and selected by the donor.

POETRY.

For thirty-eight years the late Professor Roemer provided anonymously a prize for the best declamation of poetry. In recognition of this fact and in honor of his memory and the name, the ROEMER PRIZE was established by the officers of the College and several graduates. The trustees of the fund (of \$300) are the Chairman of the Executive Committee, the President of the Associate Alumni and Russell Sturgis, Ph.D. The competitors are a Senior, a Junior and a Sophomore, selected from and by their several classes, in the same manner as the competitors for the prize of the President of the Board of Education. The declamations are delivered on the same occasion and judged by the same judges.

CLASSICAL SCHOLARSHIPS.

This College being, through the action of its officers and alumni, associated with eighteen of the leading universities and colleges in the United States, in support of the American School of Classical Studies at Athens, the school is open to any properly qualified graduate of this College. Those desiring to avail themselves of this privilege should apply to the Professor of Greek for information and a certificate of scholarship.

DEGREES.

The degree of *Bachelor of Arts* is conferred on those students who have completed the Classical Course; that of *Bachelor of Sciences* on those who have completed either of the Scientific courses.

The Faculty recommends no student for a degree whose average standing in the studies of the Senior year has fallen below six-tenths of the maximum. Every member of the graduating class is required to write a composition for oral delivery, to be sent in four weeks before Commencement.

A Bachelor of Arts or of Sciences may be recommended

for the degree of Master of Arts or of Sciences, on the following conditions :

1. He shall, at the date of the commencement at which the degree is to be conferred, have been graduated at least three years.

2. He shall have been engaged for at least two years in the study of some literary or scientific subject, and shall furnish, as evidence of such study, either the diploma of the college or school which he has attended, or a detailed statement of the subjects and books which he has studied.

3. He shall present to the Faculty, at least six weeks before the Commencement, a thesis, satisfactory both in matter and style, on some subject connected with his studies, accompanied by a declaration that such thesis is his own work.

STUDENTS' AID FUND.

In 1857 the Associate Alumni established a fund for the purpose of assisting such students as might otherwise find difficulty in completing their collegiate course. This fund is maintained by contributions from the alumni. The management of the fund is committed to five trustees, who loan, without interest, such sums as they think proper to deserving students; and neither the names of those to whom the loans are made, nor the amounts of the loans, are known to any but the trustees and the auditors of the fund.

The following are the present trustees, to whom application may be made :

ALFRED G. COMPTON, '53.....	At the College.
JOHN HARDY, '53.....	265 Broadway.
CHARLES L. HOLT, '53.....	156 Water Street.
JOHN R. SIM, '68.....	At the College.
EVERETT P. WHEELER, '56.....	45 Broadway.

LITERARY SOCIETIES.

Two Literary Societies, the Clonian and the Phrenocosmian, are connected with the College. They are devoted

to the cultivation of the arts of composition, oratory and debate, and the promotion of friendly intercourse between students.

Weekly meetings are held during the collegiate year. The exercises consist of the reading of an essay and a selection, the delivery of a declamation or an oration, and the debate of a question previously appointed. At intervals a magazine is read, to which the members contribute, anonymously, articles of a lighter nature than the essays. The Clionian library, containing many valuable books, and the Phrenocosmian reading-room, where may be found the leading magazines and periodicals of the day, are in two of the side rooms of the Chapel, and are open to the members every afternoon of the College week.

COMMENCEMENT.

JUNE 23, 1898.

The following award of Medals and Prizes was made according to the terms and conditions heretofore mentioned :

PELL MEDALS.

First....Gold	CHARLES B. BUERGER.....	Senior.
Second..Silver.....	MAX RADIN	Junior.

CROMWELL MEDALS.

First....Gold	JACOB R. SCHIFF.....	Sophomore.
Second..Certificates	HENRY P. GOLDSTEIN.....	Sophomore.
Second..Certificates	ARTHUR GALICENSTEIN.....	Sophomore.
Third ...Honorable Mention....	ALBERT M. FRIDENBERG.....	Sophomore.
Third ...Honorable Mention....	LOUIS M. PICKER.....	Sophomore.

CLAFLIN MEDALS.

SENIOR CLASS—GREEK.

Gold.....	LOUIS SALANT.
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JUNIOR CLASS—LATIN.

Gold.....	MAX RADIN.
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FRESHMAN CLASS—GREEK.

Silver.....	ROBERT H. LOWIE.
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FRESHMAN CLASS—LATIN.

Silver.....	HENRY LIEB.
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WARD MEDALS.

1. Chemistry.....	CHARLES B. BUERGER.....	Senior.
2. Natural History.....	ARTHUR T. HANSON.....	Senior.
3. Natural Philosophy.....	JULIUS FRANK.....	Senior.
4. Moral Philosophy	MORTIMER FISHEL.....	Senior.
5. Political Science.....	SAMUEL J. WOOLF.....	Junior.
6. English.....	MAX RADIN.....	Junior.
7. Greek.....	LOUIS SALANT.....	Senior.
8. Latin.....		
9. French	CHARLES WEISMAN.....	Sophomore.
10. German	ALEXANDER S. SOLOW.....	Junior.
11. Spanish	JOSEPH KAHN.....	Sophomore.

THE WARD MEDALS—Continued.

12. Oratory	SAMUEL J. BLOCK.....	Junior.
13. Composition	LOUIS SALANT.....	Senior.
14. Logic	MORRIS R. COHEN.....	Sophomore.
15. Astronomy	HERMAN G. BREITWEISER.....	Senior.
16. History	MAX RADIN.....	Junior.
17. Drawing	ADOLPHUS J. I. BLUMENKRANZ.....	Sophomore.
18. Descriptive Geometry	ARTHUR C. GARRECHT.....	Freshman.
19. Botany	JOSEPH A. STUART.....	Sub-Freshman.
20. Algebra and Geometry.....	WALTER LYON.....	Sub-Freshman.

A CERTIFICATE OF EQUAL MERIT WITH THE MEDAL WAS GIVEN

In Latin to.....	LOUIS SALANT.....	Senior.
In German to.....	JACOB THEOBALD.....	Senior.
In Algebra and Geometry.....	LOUIS EICHHORN.....	Sub-Freshman.

THE RIGGS MEDALS.

First....Gold.....	HERMAN T. RADIN	Senior.
Second..Gold.....	SAMUEL J. WOOLF.....	Junior.

KELLY PRIZE.

FOR THE BEST CRITIQUE: "Tennyson is a Dramatic Artist."

MONTROSE J. MOSES.....	Junior.
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THE PRIZE OF THE PRESIDENT OF THE BOARD OF EDUCATION.

Prose Declamation.....	SAUL J. DICKHEISER.....	Senior.
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THE ROEMER PRIZE.

Poetry Declamation.....	AARON W. LEVY.....	Junior.
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THE KETCHUM PRIZES.

SENIOR CLASS—HISTORY OF PHILOSOPHY.

First.....	ALBERT M. YUZZOLINO.
Second.....	MORTIMER FISHEL.

JUNIOR CLASS—POLITICAL ECONOMY.

First.....	FREDERICK STARR.
Second.....	BENJAMIN MICHAILOVSKY.

THE BENNETT PRIZE.

No Competition.

PRIZE OF THE NATIONAL SOCIETY OF THE SONS OF THE AMERICAN REVOLUTION.

JESSE G. M. BULLOWA	Junior.
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SERENA MASON CARNES PRIZES.

1897.

German	HERMAN T. RADIN.....	Junior.
French	A. W. LEVY.....	Sophomore.
Spanish	JOSEPH CHANKIN.....	Senior.

1898.

German—Prize was divided, one-half to ..	FREDERICK M. SCHEIDER.....	Senior.
The other half to	FELIX HECHT.....	Sophomore.
French		
Spanish	JOSEPH KAHN	Sophomore.

F. W. DEVOE & CO. PRIZES.

For Wood-Working	FREDERICK BARSELL	Sub-Freshman.
For Metal-Working	WILLIAM SOLOTAROFF.....	Freshman.

THE BELDEN PRIZES.

JUNIOR CLASS.

Gold	LOUIS A. SABLE.
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SOPHOMORE CLASS.

Gold	ALFRED FRANKENTHALER.
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The Graduation Honors were—

First (Valedictorian)	LOUIS SALANT.
Second (Salutatorian)	CHARLES B. BUEGER.
Third	EMANUEL KAISER.
Fourth	FELIX ARNOLD.
Fifth	ARTHUR T. HANSON.
Sixth	HAROLD LEVENTHAL.

Honorable mention is made of JULIUS FRANK, MICHAEL ISAACS, JULIAN J. MEYER, MAXIMILIAN PHILIP and WILLIAM C. REED, for having obtained over eighty-five per cent. of the maximum of marks from the beginning of the Freshman year to the end of the Senior year.

DEGREES CONFERRED.

MASTER OF ARTS.

MAX GUSTINE REISER, A. B., '92.

MASTER OF SCIENCES.

EDWARD W. STITT, B. S., '81.

HORATIO S. RUBENS, B. S., '88.

CHARLES F. HORNE, B. S., '89.

GEORGE CORNELL TARLER, B. S., '95.

BACHELOR OF ARTS.

ARNOLD, FELIX

AARONSON, JACOB

BRANDT, MAURICE

BRAUN, ALFRED

COHEN, MAX

COOPER, BERNARD J.

EBERHARDT, HENRY A.

FINE, DAVID C.

FISCH, PEREZ

FISCHER, SAMUEL M.

HAMMOND, WILLIAM K., JR.

HANSON, ARTHUR TABER

HERBERT, LEROY BEDFORD

HERMAN, SIDNEY HUBERT

HOTTENROTH, FREDERICK W.

KAISER, EMANUEL M.

KINKELDEY, OTTO

KREHBIEL, OTTO FREDERICK

LEDERMAN, J. DELMOUR

LEWIS, MOSES

MAGEWIRTH, JULIUS O.

MAGIE, JOHN E.

MENLINE, JOSEPH SPENCER

MEYER, JULIAN JACQUES

MYERS, DAVID

NICHOLSON, DOUGLAS

PASCAL, JOSEPH L.

RADIN, HERMAN THEODORE

ROSENOVSKY, ELLIS L.

ROSENSOHN, SAMUEL J.

SALANT, LOUIS

SILK, MORRIS

SOBEL, DAVID

STERN, ADOLPH

THEOBALD, JACOB

TEVEN, SIDNEY L.

WEINBERGER, GEORGE GABRIEL

YUGGOLINO, ALBERT M.

ZIEGLER, CHARLES EDWARD

BACHELOR OF SCIENCES.

ACKERMAN, WILLIAM

ARONSON, DAVID A.

BAYNE, STEPHEN FIELDING

BERNSTEIN, SOLOMON

BOECKER, ALEXANDER

BREITWIESER, HERMAN GEORGE

BUERGER, CHARLES

BULLWINKEL, WILLIAM H.

BACHELOR OF SCIENCES—Continued.

CAVAGNARO, JOHN J.	LEVENTHAL, HARRY
COLEMAN, SAMUEL F.	PASTERNAK, NATHANIEL
COLLINS, CHRISTOPHER D.	PEYSER, WILLIAM
COLWELL, LINO M.	PFLETSCHINGER, FREDERICK
COTTLE, GEORGE F.	PHILIP, MAXIMILIAN
CROOKER, FREDERICK F.	PRETZFELD, HOWARD F.
DICKHEISER, SAUL J.	REED, WILLIAM CLARENCE
FISCHER, BERNARD WILLIAM	RIEDERER, HERMAN S.
FISHEL, MORTIMER	SCHEIDER, FREDERICK MARIE
FRANK, JULIUS	SCOTT, ALLAN
FREEDMAN, HENRY	SHATTUCK, LESLIE CALHOUN
GARTLAN, EUGENE B.	SILVERMAN, SAMUEL
GARTLAN, J. HENRY	SLAVIK, WILLIAM
GOLDBERGER, H. HAROLD	SMITH, ABRAHAM
GREEN, JAMES	STANTIAL, ROBERT SUMNER
HAMBURG, EDWIN CHARLES	TENNANT, GEORGE G.
HOLLOWAY, J. HENRY	VIERTTEL, SAMUEL
ISAACS, MICHAEL	WAGNER, ROBERT FERDINAND
KLEIN, ANTHONY W.	WEIL, IRVING HENRY
KUNZMAN, JOHN FRANCIS	WEIZENHOFFER, ADOLPH
LESSER, JACOB J.	WORM, OSCAR RUDOLPH
	WOLFSON, STANLEY

COLLEGIATE CALENDAR.

1898-1899

1898.

Sept.	15.	Thursday—Commencement of First Term.
Nov.	8.	Tuesday—Election Day.
Nov.	24.	Thursday—Thanksgiving Day.
Dec.	25.	Sunday—

1899.

} WINTER VACATION.

Jan.	2.	Monday—
Jan.	13.	Friday—End of First Term.
Jan.	16.	Monday—Review Examination commences.
Jan.	27.	Friday—Review Examination ends.
Jan.	30.	Monday—Commencement of Second Term.
Feb.	12.	Sunday—Lincoln's Birthday.
Feb.	22.	Wednesday—Washington's Birthday.
Mar.	31.	Friday—Good Friday.
April	29.	Saturday—
May	6.	Saturday—
May	26.	Friday—End of Second Term.
May	30.	Tuesday—Memorial Day.
May	29.	} Examinations for Advancement and Admission.
June	9.	
June	16.	Friday—Prize Speaking.
June	22.	Thursday—Commencement.
June	23.	Friday—
Sept.	13.	Wednesday—
Sept.	14.	Thursday—Commencement of First Term.

BOARD OF TRUSTEES.

NAME.	RESIDENCE.	PLACE OF BUSINESS.
Agar, John G	9 West 48th street	31 Nassau street.
Anderson E. Ellery	11 West 38th street	27 William street.
Bannard, Otto T.	135 Madison avenue	30 Broad street.
Collier, Edward L	69 S. Oxford st., Brooklyn ...	100 Broadway.
Dresser, Horace E	294 Greene ave., Brooklyn ...	343 Broadway.
Eustis, John E	Sedgwick avenue	80 Broadway.
Greenough, William	32 West 9th street	345 Broadway.
Hubbell, Charles B.	Hotel Manhattan	31 Nassau street
Leavitt, G. Howland ...	Flushing	
Mack, Jacob W	129 West 75th street	92 Liberty street.
McNamee, John	237 Jefferson ave., Brooklyn ..	16 Court street, Brooklyn.
Maxwell, Henry W	70 First place, Brooklyn	143 Liberty street.
Perlet, Frank	West New Brighton	115 Barrow street.
Prentiss, Nathaniel A.	119 East 38th street	120 Broadway.
Rogers, Henry A	347 West 57th street	19 John street.
Swanstrom, J. Edward ..	77 Halsey st., Brooklyn	20 Nassau street.
Taft, Henry W	340 Lexington avenue	40 Wall street.
Thompson, John R	92 Morton st., Brooklyn	65 South 11th street, Brooklyn.
Webb, Alexander S	Riverdale	17 Lexington avenue.

A. Emerson Palmer, Secretary; Office, Hall of the Board of Education.

OFFICERS OF THE COLLEGE.

Allen, Joseph.....	Instructor	130 East 27th street.
Baralt, Luis A.....	Instructor	134 West 64th street.
Bennett, Thomas Archie.....	Tutor	New Brighton, S. I.
Bergeron, Eugene	Tutor	500 West 165th street.
Bliss, Henry E	Dep'y Libra'n.....	344 West 51st street.
Breitwieser, Hubert F.....	Tutor	311 East 87th street.
Brownson, Carleton L.....	Ass't Prof.....	New Rochelle, N. Y.
Bruckner, Arthur.....	Tutor	513 East 87th street.
Bryan, Walter.....	Instructor	215 St. John Place, Brooklyn.
Burke, Edmund.....	Instructor	220 East 49th street.
Carr, Henry S.....	Tutor	133 Manhattan avenue.
Compton, Alfred D.....	Tutor	40 West 126th street.
Compton, Alfred G.....	Professor.....	40 West 126th street.
Constant, Stanislas C.....	Ass't Prof.....	142 East 48th street.
De Groodt, James H.....	Instructor	288 Summit avenue, Jersey City.
Doremus, Charles A.....	Ass't Prof.....	59 West 51st street.
Doremus, R. Ogden	Professor.....	241 Madison avenue.
Downer, Charles A.....	Ass't Prof.....	893 Park Place, Brooklyn.
Duggan, Stephen P.....	Instructor	143 East 49th street.
Engelsman, Gabriel.....	Tutor	62 East 120th street.
Fabregou, Casimir.....	Professor.....	111 West 130th street.
Fox, William.....	Ass't Prof.....	West New Brighton, S. I.
Friedburg, Ludwig H.....	Tutor	384 Monroe street, Brooklyn.
Galicenstein, Clarence.....	Tutor	129 West 132d street.
Hanaway, Samuel	Tutor	12 East 88th street.
Hatch, Robert H.....	Instructor	110 East 18th street.
Herbermann, Charles G.....	Professor.....	223 West 25th street.
Horne, Charles F.....	Tutor	32 West 116th street.
Hunt, Leigh H.....	Ass't Prof.....	159 West 23d street.
Ilgen, Ernest.....	Ass't Prof.....	369 Herkimer street, Brooklyn.
Johnston, Henry P.....	Professor.....	37 East 50th street.

OFFICERS OF THE COLLEGE—Continued.

Kost, Henry G.....	Tutor	730 East 134th street.
Krowl, Harry C.....	Tutor	213 West 104th street.
Laffargue, Gaston A.....	Tutor	782 Union avenue.
Legras, Gustave.....	Ass't Prof.....	1931 Madison avenue.
Levussove, Moses S.....	Tutor	64 East 105th street.
Lippincott, Harold E.....	Tutor	53 West 47th street.
Mandel, John A.....	Ass't Prof.....	Astoria, L. I.
Mason, James Weir.....	Professor.....	32 West 129th street.
Mayell, Henry	Sec. and Reg'r.	17 Lexington avenue.
McGuckin, William G.....	Ass't Prof.....	170 West 105th street.
McNulty, John J.....	Professor.....	58 Morton street.
Morse, Livingston B.....	Tutor	Upper Montclair, N. J.
Mott, Lewis F.....	Professor.....	The Strathmore.
Nordby, Conrad H.....	Instructor	30 West 132d street.
Parmly, C. Howard	Ass't Prof.....	344 West 29th street.
Perrin, Ernest N.....	Instructor	Cranford, N. J.
Reynolds, Frederick G.....	Instructor	144 West 132d street.
Rupp, August.....	Ass't Prof.....	225 East 19th street.
Salant, Louis.....	Tutor	333 East 123d street.
Saurel, Paul L.....	Instructor	141 West 84th street.
Schuyler, L. R.....	Tutor	434 Central Park West.
Sickels, Ivin	Ass't Prof.....	West Nyack, N. Y.
Sim, John R.....	Ass't Prof.....	536 West 156th street.
Smith, Calvin R.....	Ass't Prof.....	293 Decatur street, Brooklyn.
Smith, Robert F.....	Tutor	287 West 4th street.
Stratford, William	Professor.....	263 West 52d street.
Thomas, Charles W	Instructor	566 Lexington avenue.
Tisdall, Fitz Gerald.....	Professor.....	80 Convent avenue.
Webb, Alexander S.....	President.....	Riverdale.
Werner, Adolph	Professor.....	339 West 29th street.
Woolf, Solomon	Professor.....	131 West 82d street
Bonney, Michael F.....	Janitor	College Building.
Reed, James	Engineer	College Building.

STUDENTS.

SENIOR CLASS.

- Aarons, Sidney H., 130 East 76th street.
- Abelson, Paul, 250 Henry street.
- Bastine, Arthur Randolph, 112 East 19th street.
- Beck, Samuel S., 315 East 4th street.
- Benda, Harry Robert, 355 West 24th street.
- Bleich, Samuel D., 129 Cannon street.
- Bloch, Bernhard, 40 Attorney street.
- Block, Louis M., 104 Delancey street.
- Bloomfield, Meyer, 26 Delancey street.
- Bluhm, Julius, 321 East 79th street.
- Bodenheimer, Milton, 336 East 50th street.
- Boyd, Robert Wright, 40 Perry street.
- Brand, Samuel, 19 West 113th street.
- Brockway, Bert G., 990 Freeman street.
- Browne, John, 207 West 16th street.
- Brummer, Sidney D., 201 West 85th street.
- Bulowa, Jesse Godfrey M., 46 East 66th street.
- Caplan, Elias N., 193 Madison street.
- Chambers, Bernard, 1190 Park avenue.
- Cohen, Louis J., 11 Montgomery street.
- Condon, George Stephen, 204 West 96th street.
- Cremin, Wallace Leo, 848 Lexington avenue.
- Davidoff, Henry, 266 West 118th street.
- Dryfuss, Barney J., 410 East 116th street.
- Edelstein, Goodman, 81 Borden avenue, Long Island City.
- Eichler, Menahem Max, 736 Lexington avenue.
- Epstein, Simon, 155 Buffalo avenue, Brooklyn.
- Flatow, Sol. L., 14 Sixth avenue.
- Frank, Joseph S., 308 West 90th street.
- Freidenrich, Oscar W., 26 West 97th street.
- Freudenheim, Sol. J., 13 West 119th street.
- Gibney, Eugene C., 470 West 150th street.
- Gilbert, Walter M., 637 Walton avenue.
- Goldberg, Samuel, 116 Stanton street.
- Goldstein, David I., 252 Delancey street.
- Greenstein, Marx B., 18 East Broadway.
- Gregory, Percival, 140 West 38th street.
- Hirschthal, Meyer, 644 Sixth street.
- Hirsdansky, Simon H., 121 Henry street.
- Holton, Herbert Miles, 16 West 102d street.
- Israeli, Phineas, 736 Lexington avenue.
- Jenkins, Raeburn W., 173 West 85th street.
- Knipe, William Hugh Wellington, 353 West 24th street.
- Kommel, Louis, 82 East Broadway.
- Kramer, Isaac, 238 West 14th street.

- Lazarowitz, Jacob, 26 Eldridge street.
 Levy, Aaron W., 202 Sands street,
 Brooklyn.
 Lewis, Samuel J., 217 East 106th
 street.
 Lichtenstein, George, 315 East 88th
 street.
 Loew, John T., 10 Amsterdam avenue.
 Loewenbaum, Uriel M., 336 East 123d
 street.
 Lowenstein, Simon S., 160 Attorney
 street.
 Marks, Maurice E., 1034 Lexington
 avenue.
 Mead, Nelson P., 407 West 17th street.
 Mendelsohn, Henry, 154 Stanton
 street.
 Menges, Philip Charles, 419 West 47th
 street.
 Meyers, Harold, 140 East Broadway.
 Michailovsky, Benjamin, 130 East
 104th street.
 Moses, Montrose J., 252 West 84th
 street.
 Moskowitz, Henry, 95 Forsyth street.
 Neidlinger, Charles Robert, 219 West
 104th street.
 Newman, Charles Joseph, 168 Clinton
 street.
 Penney, Clarence J., 104 East 55th
 street.
 Radin, Max, 347 East 116th street.
 Raphaelson, Samuel J., 102 East
 Broadway.
 Reinhardt, Maurice, 148 East 89th
 street.
 Ritter, Julius, 175 East 4th street.
 Roos, Oscar C., 2025 Washington
 avenue, Tremont.
 Sable, Louis A., 68 East 122d street.
 Saxe, Bernhard D., 683 Myrtle avenue,
 Brooklyn.
 Schmid, Ernest E., 25 Beekman Place.
 Schnepel, Geo. A., 6 West 66th street.
 Schwartz, Leon, 149 Chrystie street.
 Seligmann, Rudolph A., 124 East 80th
 street.
- Sheridan, James Walter, Webster
 avenue, Bedford Park.
 Shufro, Jacob J., 137 Canal street.
 Shulman, Morris, 304 East 125th
 street.
 Sill, Arthur Morrell, 1196 Park avenue.
 Smith, Havilah Medless, 71 Perry
 street.
 Smith, Reginald Heber, 393 Lenox
 avenue.
 Solis-Cohen, Leon M., 1270 Madison
 avenue.
 Solomon, Arthur L., 344 West 145th
 street.
 Solow, Alexander S., 57 East 86th
 street.
 Sperling, Frederick William, 164 West
 81st street.
 Starr, Fred, 209 East 7th street.
 Steindler, Harry, 308 West 121st
 street.
 Stern, Albert, 740 East 6th street.
 Stratton, Deane, 2013 Fifth avenue.
 Strauss, Charles A., 107 East 73d
 street.
 Strodl, George Thomas, 183 Grand
 street.
 Strouse, Alex. L., 122 East 86th street.
 Sundheimer, Malcolm, 38 West 76th
 street.
 Supnik, Henry F., 214 Third street.
 Swick, David A., 105 Second street.
 Taschman, Max, 30 Norfolk street.
 Weiss, Eugene, 187 Avenue B.
 Weissman, Max, 328 Stanton street.
 Whiteside, George Walter, 251 West
 133d street.
 Wood, Wilson Guyon, 61 East 25th
 street.
 Woolf, Samuel Johnson, 832 West
 End avenue.
 Woticky, E., 318 East 77th street.
 Wund, William Frederick, 327 East
 30th street.
 Zellermyer, Maurice L., 431 East 15th
 street.

JUNIOR CLASS.

Abramowitz, Herman, 736 Lexington avenue.
 Adams, Robert Abert, 16 St. Nicholas place.
 Agramonte, A. Arthur, 322 West 32d street.
 Albert, Samuel J., 78 Orchard street.
 Baillet, Henry, Jr., 150 Varick street.
 Bandler, Clarence G., 1050 Boston avenue.
 Bandler, Maurice Edward, 140 East 71st street.
 Beck, Louis L., 315 East 4th street.
 Bennett, J. Albert, Jr., 88 Grove street.
 Bergoffen, Herman R., 186 Delancey street.
 Bernstein, Louis Philandus J., 132 Broome street.
 Blauner, Samuel, 134 Rivington street.
 Blumenkranz, Adolph, 64 East 113th street.
 Bock, L. B., The St. Lawrence, Madison avenue and 88th street.
 Bopp, Walter F., 39 Seventh street.
 Brand, Samuel, 206 East 104 street.
 Breithut, Frederick E., 1652 Madison avenue.
 Breitwieser, Theodore J., 311 East 87th street.
 Brinckerhoff, Gilbert Guyon, 1350 Fulton avenue.
 Browne, Alexander John, 719 East 178th street.
 Bullowa, Ralph James M., 46 East 66th street.
 Burger, Henry S., 128 Broome street.
 Burke, Joseph A., 464 West 146th street.
 Cassen, Abner, 53 Monroe street.
 Clapp, Fred M., 353 West 15th street.
 Cohen, Morris R., 121 Attorney street.
 Cohen, Moise K., 357 West 120th street.
 Connelly, Douglas Logan, 995 Morris avenue.

Cybulsky, William, 52 Suffolk street
 David, Frank Haines, 33 West 126th street.
 Davidson, Isidor, 67 East 111th street.
 Davidson, Joseph, 101 East 116th street.
 Dressler, William Bernard, 312 West 106th street.
 Drucker, Aaron P., 736 Lexington avenue.
 Eder, Phanor James, 202 West 86th street.
 Eichhorn, Herman, 341 East 3d street.
 Endelman, Edward, 184 Madison street.
 Enowitz, Charles, 268 Broome street.
 Erinstein, Henry H., 153 Suffolk street.
 Fendrich, Charles, 428 West 41st street.
 Fine, Harold E., 247 East Broadway.
 Fischer, Francis, 125 First street.
 Fisher, Frederick S., 914 St. Nicholas avenue.
 Flynn, Thos. E., 241 West 49th street.
 Fox, Henry W., 89 West 134th street.
 Frank, Arthur, 358 East 79th street.
 Frankenthaler, Alfred, 45 St. Mark's place.
 Friedenbergl, Albert M., 75 East 81st street.
 Friedland, Jacob M., 207 East 3d street.
 Galicenstein, Arthur, 129 West 132d street.
 Ginzler, Arthur, 405 East Houston street.
 Glanz, Hyman, 74 Norfolk street.
 Glusker, Charles, 109 Broome street.
 Goldfarb, Abraham J., 94 Rivington street.
 Goldstein, Henry P., 178 East 108th street.
 Goldwater, Sidney J., 2671 Third avenue.
 Gomprecht, Harry C., 210 East 61st street.

Goodman, Mark D., 116 East 120th street.
 Goodwin, Phillips R., 6 Morningside avenue.
 Graff, Leslie, 1690 Broadway.
 Grant, Oliver Remick, 2236 Southern Boulevard.
 Greenstone, Julius H., 736 Lexington avenue.
 Griffin, Gerald William, 1280 Fulton avenue.
 Grossman, William, 123 Goerck street.
 Hagen, William C., 213 East 26th street.
 Hartman, Gustave, 275 Second street.
 Haupt, George, 236 East 7th street.
 Hecht, Felix, 227 Jeffery avenue, Jamaica.
 Herfort, Paul, 153 East 89th street.
 Herman, Harry, 63 East 108th street.
 Hirsch, L. J., 70 East 116th street.
 Hirschman, Joseph, 316 East 79th street.
 Horowitz, Benjamin, 65 East 114th street.
 Houston, Charles Albert, 204 Amsterdam avenue.
 Howe, Arthur Lenox, 137 West 128th street.
 Hurwitz, Joseph, 10 Suffolk street.
 Hussakof, Louis, 111 Division street.
 Jackson, Jerome C., 216 East 68th street.
 Jacobs, Leo, 242 East 30th street.
 Jacobson, Walter, 137 Avenue A.
 Jacoby, Henry E., 195 Edgecomb avenue.
 Jordan, Cyrus Victor, 145 West 128th street.
 Kaempfer, Louis G., 244 West 43d street.
 Kahn, Joseph, 269 Madison street.
 Kaplan, Mordecai M., 411 East 52d street.
 Kastner, Isidor M., 108 East 96th street.

Katzenstein, Martin L., 223 West 133d street.
 Kauvar, Charles H., 736 Lexington avenue.
 Kohn, Walter Thomas Arnold, 161 East 93d street.
 Korn, Raphael Cowen, 61 East 60th street.
 Knickerbocker, Edwin Van B., Alpha Delta Phi House, 312 West 106th street.
 Kudlich, Hans Edgar, 56 West 17th street.
 Kufeld, Max, 312 East 4th street.
 Lagerwall, Charles J., 239 East 87th street.
 Leventhal, Arthur, 199 East Houston street.
 Levy, Henry, 213 East 107th street.
 Linker, John, 406 East 24th street.
 Mackby, Julius C., 105 East Broadway.
 Madigan, James C., 55 West 84th street.
 Malowanzyk, Charles, 60 Eldridge street.
 McQuilland, Geo. T., 326 West 47th street.
 Mentzel, Charles C., 251 East 52d street.
 Méras, Albert A., Elmhurst, L. I., Borough of Queens.
 Michaelis, Arnold, 334 E. 16th street.
 Miller, Robert, 225 Brown place.
 Mohr, Edward H., 17 Bedford street.
 Moran, Harold Powell, 1983 Madison avenue.
 Morgan, William Joseph, 134 East 94th street.
 Müller, Werner, 418 West 154th street.
 Murphy, James F., 955 East 165th street, Bronx Borough.
 Newman, Charles Augustus, 44 East 129th street.
 Neuman, Henry, 21 East 115th street.
 Nides, Samuel, 304 West 120th street.

Noehren, Alfred H., 301 West 139th street.
 Oppenheim, Louis, 141 East 111th street.
 Picker, Louis M., 62 East 7th street.
 Prager, William Louis, 311 East 49th street.
 Prokesch, Sol. Z., 55 East 7th street.
 Pulvermacher, Wm. D., 228 East 86th street.
 Radgik, Benjamin, 185 Henry street.
 Reid, Thomas Alexander, 444 West 58th street.
 Roberts, Alfred, 1591 Lexington avenue.
 Robinson, Robert, 111 Avenue B.
 Roeder, Jehial Maurice, 174 East 95th street.
 Rosenthal, Samuel, 129 Henry street.
 Rosenzweig, Abraham, 286 Broome street.
 Rothschild, Solomon, 337 East 51st street.
 Rubin, Mark, 210 Henry street.
 Saymon, Ignatz, 168 2d street.
 Schaefer, Edward Franklin, 56 West 132d street.
 Schiff, Jacob R., 178 Ludlow street.
 Schlivek, Kaufman, 20 Pike street.
 Schlosberg, Samuel, 100 Orchard street.
 Schmidt, Frederick Sommer, 90 Second avenue.
 Schumer, Jacob H., 247 Broome street.
 Schwartzman, Samuel Jacob, 1 Teasdale place.

Silberman, Frank, 650 East 5th street
 Simpson, Walter Booth, 111 West 111th street.
 Sinsheimer, Jerome M., 56 West 95th street.
 Skrivaneck, Joseph, 3495 Third avenue, Borough of The Bronx.
 Smyth, Samuel Jr., 405 East 61st street.
 Solomon, Elias L., 736 Lexington avenue.
 Solomon, Louis A., 14 West 120th street.
 Steindler, Emanuel M., 308 West 121st street.
 Sugarman, Arthur M., 299 Henry street.
 Suling, John W., 8 Charlton street.
 Symes, Reuben C., 549 Broome street.
 Taylor, Arthur Noble, Alpha Delta Phi House, 312 West 106th street.
 Topper, William, 129 Forsyth street.
 Weisman, Charles, 244 Clinton street.
 Weiss, Morris E., 111 Ridge street.
 Wien, Francis, 102 West 89th street.
 Wiener, Sol., 65 West 85th street.
 Wilkinson, James E., Jr., 33 West 113th street.
 Wolff, Marks, 53 East 8th street.
 Woodruff, Isaac O. Jr., 152 West 78th street.
 Woodruff, Lorande George, Alpha Delta Phi House, 312 West 106th street.
 Woolf, Edgar A., 832 West End avenue.

SOPHOMORE CLASS—CLASSICAL COURSE.

Alsdorf, Frank J., 11 West 63d street.
 Baron, Saul, 8 Mitchell place, East 49th street.
 Behren, Bernhard S., 272 Rivington street.
 Berryman, Wilson G., 301 West 45th street.
 Bloch, Mark, 222 East Broadway.
 Blumlein, Maurice, 10 East 130th st.

Boyle, E. Mortimer, 334 West 19th street.
 Broder, Charles, 45 Eldridge street.
 Cohen, Arthur J., 111 East 65th street.
 Cohen, David, 114 East 90th street.
 Condon, Joseph F., 882 East 169th street.
 Cosenza, Mario, 574 Lexington avenue.
 Dalziel, Guy H., 109 West 90th street.

Davidson, Henry, 125 East 101st street.
 Davies, Howard L., 367 West 116th street.
 Edelman, Selig, 35 Rutgers street.
 Eisenmann, Max J., 515 East 82d street.
 Farries, James T., 166 East 81st street.
 Federlein, Daniel H., 167 East 78th street.
 Finkenstein, Jacob, 182 Ludlow street.
 Fogg, N., 936 Tremont avenue.
 Foise, Joseph F., 147 East 60th street.
 Foley, James, 309 East 19th street.
 Frank, David Lionel, 68 West 120th street.
 Geiringer, David, 91 First street.
 Goldman, Herman, 3 East 86th street.
 Goldstein, Henry, 121 Norfolk street.
 Gookin, Warner F., 509 East 84th street.
 Gordon, Harry A., 254 Madison street.
 Gottlieb, Henry A., 57 East 132d street.
 Greenberg, John Jacob, 210 Eldridge street.
 Greif, Joseph, 232 Rivington street.
 Gross, Albert, 630 East 5th street.
 Gross, Herman N., 721 East 5th street.
 Haber, Ferdinand Irving, 149 West 78th street.
 Hamburger, Gabriel, 64 Columbia street.
 Hamilton, W. Albert, 775 East 162d street.
 Harris, Modie, 329 West 46th street.
 Hays, Arthur G., 264 West 89th street.
 Heiliger, Percy, 23 West 123d street.
 Heller, Max L., 97 Sheriff street.
 Hirsch, Edgar A., 163 West 95th street.
 Holstein, Samuel, 171 Eldridge street.
 Hooper, Charles Thomas, Jr., 563 West 185th street.
 Hooper, Edw. Prescott, 185 West 134th street.
 Horowitz, Israel, 230 East 7th street.
 Jaffe, Benjamin, 170 Henry street.
 Jochum, Henry L., 465 East 57th street.
 Kahn, Moses, 140 Lewis street.
 Kahrs, John D., 1592 Lexington avenue.
 Kanner, Samuel Henry, 637 East 9th street.
 Keane, William E., 1708 Topping street.
 Krumwiede, Charles, 57 West 84th street.
 Landau, Abraham, 596 Eighth avenue.
 Landauer, Clifford, 342 East 72d street.
 Landsman, Isidor, 236 East 107th street.
 Lagenbahn, Theo. Jr., 429 East 69th street.
 Le Comte, John R., 213 West 130th street.
 Lee, J. Walter, 320 West 17th street.
 Leonard, John J. Bernard, 502 Second avenue.
 Levine, William, 99 Forsyth street.
 Levin, Zachary, 78 Bayard street.
 Levison, Jacob J., 109 Clinton street.
 Lieb, Henry, 206 Henry street.
 Liberman, Samuel, 78½ Delancey street.
 Lindeman, Maurice, 343 East 15th street.
 Lowie, Robert Harry, 66 East 105th street.
 Markowitz, Mark, 316 East 3d street.
 McIntyre, Otis Q., 712 East 147th street.
 Merrill, Geo. A., 103 West 104th street.
 Nachumson, David B., 312 East 8th street.
 Neuwelt, Louis, 118 East 116th street.
 Newman, Frederick J., 13 East 118th street.
 Newman, Morris, 107 Lewis street.
 Nifenecker, Eugene A., Jr., 457 Canal street.
 Oberwager, John, 34 First street.

Paley, Herman E., 230 Madison street.
 Reich, Nathaniel D., 118 Lexington
 avenue.
 Rosenbaum, Morris, 73 Cannon street.
 Scheel, Henry V. R., 121 East 83d
 street.
 Sulzberger, Mayer, 315 East 116th
 street.
 Taylor, Howard C., 252 West 136th
 street.
 Thompson, Joseph N., 57 East 128th
 street.

Tynan, Joseph A. L., Audubon Park
 near West 157th street.
 Tyndall, Carlton H., 23 East 105th
 street.
 Unger, Henry H., 98 Columbia street.
 Waters, Spencer, 45 West 70th street.
 Witt, Abraham F., 74 East 105th
 street.
 Wurthman, Henry G., 43 East 80th
 street.

SOPHOMORE CLASS—SCIENTIFIC COURSE.

Alexander, George Mortimore, 132
 West 111th street.
 Allen, James Henry, 336 West 48th
 street.
 Anthony, Eugene Allen, 235 West 20th
 street.
 Asher, William, 68 East 108th street.
 Bach, Milton J., 11 East 92d street.
 Beisheim, William F., 701 President
 street, Brooklyn.
 Bernstein, Aaron, 311 Henry street.
 Bernstein, Harry Hirsch, 358 Grand
 street.
 Biglow, Lem. C., 511 West 145th
 street.
 Birkhahn, Robert, 71 East 87th street,
 (Niagara.)
 Blan, Louis Benjamin, 87 Richmond
 avenue, Port Richmond, Richmond
 Borough.
 Block, A. L., 108-110 Eldridge street.
 Bloomberg, Alfred Harry, 120 East
 62d street.
 Bloomfield, Howard W., 58 Quincy
 street, Brooklyn.
 Buchbinder, H. Elias, 39 Willett street.
 Burns, Frank A., 362 East 177th
 street.
 Cahen, Waldemar M., 227 West 44th
 street.
 Callahan, Joseph Thomas Paul, 332
 East 123d street.

Caplan, Maxwell E., 149 Clinton
 street.
 Carroll, James Francis, 340 East 58th
 street.
 Carroll, Vincent Paul, 106 East 84th
 street.
 Cebulsky, Jacob, 52 Suffolk street.
 Cohen, Abraham, 34 Norfolk street.
 Collyer, Homer L., 109 East 54th
 street.
 Courtney, George Wilson, 73 Perry
 street.
 Danziger, N., 16 Pitt street.
 Derleth, Walter T., 674 East 135th
 street.
 Dittenhofer, L. Franklin, 1026 Park
 avenue.
 Dottenheim, Harry S., 543 East 86th
 street.
 Dublin, Louis I., 53 Ludlow street.
 Edelstein, Isidore, 236 East Broad-
 way.
 Edmunds, Kinzie Bates, 202 West
 80th street.
 Elkin, Samuel, 2072 Second avenue.
 Felix, Louis, 439 Pleasant avenue.
 Feuerbach, Lawrence E. J., 332 West
 47th street.
 Flaum, Marcus H., 25 Monroe street.
 Frankel, M. G., 141 Monroe street.
 Friedmann, Emanuel, 123 Cannon
 street.

Frohne, Henry W., 306 East 119th street.
 Frucht, Simon, 63 Elizabeth street.
 Glasscheib, Simon H., 106 East 7th street.
 Goldberg, Herman, 116 Stanton street.
 Goldberger, Sydney, 128 Cannon street.
 Gossett, Morris E., 62 Baxter street.
 Greacen, S. L., 307 West 33d street.
 Greenhaus, Samuel, 121 Delancey street.
 Gutsell, Adolph E., 1104 Lexington avenue.
 Harper, C., 80 East 55th street.
 Harper, John F., 80 East 55th street.
 Hartmann, Ingo J. F., 1391 Washington avenue, near 170th street.
 Hendrickson, W. Harold, 877 Cauldwell avenue.
 Henes, Louis Geo., 128 East 93d street.
 Hertz, Henry L., 422 East 57th street.
 Hess, C. August, 439 East 118th street.
 Itzkowitz, M. Wm., 42 avenue D.
 Jacoby, Herbert S., 435 West 147th street.
 Kahn, Arthur C., 110 West 46th street.
 Kaufman, William, 306 East 58th street.
 Kiernan, Joseph D., 1290 First avenue.
 Klein, David, 103 Lewis street.
 Klein, Edward, 93 Lewis street.
 Konheim, Jerome, 93 Monroe street.
 Kovarsky, Abraham, 207 Forsyth street.
 Lane, Chas., 89 Henry street.
 Lefkowitz, Harry Napoleon, 163 Suffolk street.
 Leibson, Jacob J., 97½ 7th street.
 Leeselbaum, Samuel, 18 Orchard street.
 Levy, C. Arthur, 106 East 58th street.
 Levy, Jerome, 1572 Madison avenue.
 Liberman, Joel B., 689 Eighth avenue.
 Liebergall, Joseph, 177 Norfolk street.

Lipfield, Isaac Maximus, 33 Orchard street.
 Lippman, Louis, 182 West 82d street.
 Lorber, Aaron N., 115 Ridge street.
 Lucke, Herbert R., Marble Hill, Kingsbridge.
 Marcus, Morris, 626-28 East 6th street.
 Margulies, Louis, 177 East 108th street.
 Marx, Henry, 6 Ridge street.
 McBride, Wm. J., Bailey avenue, Kingsbridge.
 Meyer, Leonard B., 136 West 132d street.
 Morgenbesser, Hyman, 142 Suffolk street.
 Moseson, Louis A., 1813 Lexington avenue.
 Norr, Henry I., 156 Forsyth street.
 Oltarsh, David M., 14 Ludlow street.
 Perk van Lith, Gerard R., 218 West 104th street.
 Poons, Isadore M., 308 East 90th street.
 Price, Isaac, 60 Eldridge street.
 Rabinowitz, Louis, 219 Madison street.
 Ray, T. Hasset, 416 West 55th street.
 Reed, Howard Edwin, 34 Grove street.
 Rickaby, Hamilton C., 258 West 42d street.
 Rosenberg, Hyman, 7 Sheriff street.
 Rosensohn, Meyer, 246 Henry street.
 Rothschild, Leo Herbert, 11 East 83d street.
 Rubenstein, Jacob G., 222 Henry street.
 Ruge, B. A., 110 East 47th street.
 Ruskay, Everett S., 244 East 86th street.
 Salzer, Edwin W., 232 East 72d street.
 Scadron, Sylvester J., 11 Rutgers street.
 Shapiro, Benjamin, 76 East Broadway.
 Shapiro, Benj., C., 91 Second avenue.
 Schapiro, Joseph, 130 Rivington street.
 Sheitlis, Benjamin, 262 Cherry street.

Shwitzer, Samuel D., 103 West 31st street.
 Smith, Elbert O., Jr., 535 West 159th street.
 Smith, G. Waldo, 313 West 46th street.
 Springer, Isidore, 17 Pitt street.
 Stern, Alfred J., 110 East 78th street.
 Stewart, Walter H., 123 West 11th street.

Van Nostrand, Robert, 707 Eighth avenue.
 Waltz, Millard F., Jr., 317 West 112th street.
 Wechsler, Joseph, 16 West 113th street.
 Wisansky, Jacob, 189 Division street.
 Wisansky, L., 156 East 115th street.
 Wolf, Jacob I., 33 Essex street.
 Wolfe, David, 132 East Broadway.

SOPHOMORE CLASS—SCIENTIFIC COURSE WITH MECHANICS.

Ball, Laurence A., 18 Arthur street, Williamsbridge.
 Ballenberg, Milton, 240 East 48th street.
 Bein, Felix, W., 262 West 133d street.
 Crawford, Frank H., 180 West 81st street.
 Deimel, Richard F., 18th avenue near Cropsey, Bath Beach, L. I.
 Faber, John P., 315 East 58th street.
 Goldberg, Harry, 120 East 85th street.
 Goodman, Louis, 611 Sixth street.
 Hagelstein, Earl W., 432 College avenue.
 Halperin, Samuel H., 148 Columbus avenue.
 Hartmann, Jacob, 180 Seventh street.
 Higby, Frederick W., 152 West 78th street.
 Hudson, Andrew J., 171 West 10th street.
 Katzenstein, William, 223 West 133d street.
 Kayser, William D., 1063 Lexington avenue.

Klipstein, Max, 111 Ridge street.
 Littman, Isidor, 260 West 133d street.
 McIntosh, Robert L., 22 Seventh avenue.
 Menges, Charles P., 419 West 47th street.
 Muenz, Sigmund, 635 Sixth street.
 Palmer, Montague, 938 Third avenue.
 Pollak, Leo, 1496 Second avenue.
 Prosnitz, William, 171 East 94th street.
 Ryan, Joseph A., 312 Front street.
 Saenger, Charles, 117 West 97th street.
 Scheuer, James Theodore, 30 West 97th street.
 Solotaroff, William, 303 East 3d street.
 Squier, Harold N., 122 West 103d street.
 Votava, Joseph C., 303 East 73d street.
 Williams, A. S., 181 West 87th street.
 Wineburgh, Charles, 223 West Houston street.
 Wolheim, Louis R., 167 East 106th street.
 Wood, Robert Walter, Union street, Highbridge.

FRESHMAN CLASS—CLASSICAL COURSE.

Alberg, Sidney, 64 West 114th street.
 Ansonge, Martin Chas., 102 West 132d street.
 Appleton, Robert, 2 West 112th street.
 Arnold, Arthur, 301 East 62d street.
 Auslander, Armin, 334 East 74th street.
 Bachrach, Joseph, 225 East 118th street.

Barofsky, Moses, 217 Madison street.
 Bates, William Stephen, Alpha Delta Phi House, 312 West 106th street.
 Beck, Joseph Morris, 1061 Lexington avenue.
 Berger, Samuel Alexander, 323 4th street.
 Blatt, Lionel Edgar, 133 East 94th street.

- Blechman, Nathan, 315 East 73d street.
- Bogart, William Stockton, 2 East 42d street.
- Boorstein, Joseph Aaron, 232 Madison street.
- Breckstone, William, 324 East 3d street.
- Browne, Albert Edward, 207 West 16th street.
- Bruder, Thomas, 379 West 125th street.
- Brussel, Lawrence Maurice, 10 East 81st street.
- Buchholtz, Louis N. 131 Suffolk street.
- Burke, William A., 848 Seventh avenue.
- Casin, Julius, 147 Stanton street.
- Cherry, T. Harris, 237 West 123d street.
- Clary, David A., 210 West 136th street.
- Cocks, Edmund Lindley, 179 East 116th street.
- Cohen, David I., 62 Forsyth street.
- Cohen, Jacob M., 188 Norfolk street.
- Cohn, Julius, 1354 First avenue.
- Coleman, Thomas Scanlon, 830 Lexington avenue.
- Davidson, David, 24 Forsyth street.
- De Leon, Solon, 1487 Avenue A.
- Dolgenas, Jacob A., 189 Rivington street.
- Down, Frederick Joseph Ambrose, 409 West 51st street.
- Draddy, Robert E., 623 West 48th street.
- Drechsler, David, 202 Rivington street.
- Dunn, James Philip, 21 East 105th street.
- Ernst, Frederic J., care S. Toepfer, Wakefield.
- Falkenstein, Kurt, 444 West 48th street.
- Fennelly, Joseph, 78 West 102d street.
- Ferrari, Robert A., 102 Mott street.
- Fine, Abraham, 268 Cberry street.
- Finkelstein, Morris, 271 Madison street.
- Finkenberg, Edward, 70 East 122d street.
- Foote, J. Oberdorfer, 1726 Madison avenue.
- Frankfurter, Felix, 78 East 4th street.
- Frey, David I., 38 Eldridge street.
- Friedman, Simon S., 209 East 72d street.
- Fuller, Frederick C., 20 East 130th street.
- Gellert, Samuel, 629 Sixth street.
- Gerschaulk, Sinai, 101 East Broadway.
- Goetz, Isador, 73 Henry street.
- Goldberg, Samuel, 219 Madison street.
- Goldberger, Lewis A., 128 Cannon street.
- Goldman, Bernard, 118 Division street.
- Goldman, Louis Hyman, 23 Bayard street.
- Gollubier, Martin, 13 Lincoln Place.
- Grad, Charles L., 303 East 10th street.
- Green, Donald Stewart, 342 Manhattan avenue.
- Green, Howard C., 386 Manhattan avenue.
- Greenblatt, Max, 1 East 106th street.
- Greenstein, Arthur V., 169 East 95th street.
- Haines, Harold Woodbury, 153 West 121st street.
- Haley, Jesse Hoyt, 538 East 84th street.
- Hedinger, Harris B., 36 West 126th street.
- Hein, Henry E., 1293 Washington avenue.
- Hellinger, Samuel, 212 East 79th street.
- Herschman, Robert H., 119 East 122d street.
- Hertz, Julius J., 726 6th street.
- Heyman, Henry K., 130 West 131st street.
- Hill, John H., 759 East 173d street.
- Hilliard, Robert Bell, 242 Carlton avenue, Borough of Brooklyn.

Hofheimer, Alfred K., 7 East 93d street.
 Holde, Herrmann Nicholas, 789 Park avenue.
 Holman, Alexander, 70 Henry street.
 Horowitz, Joseph, 55 Lewis street.
 Horowitz, Philip, 156 Madison street.
 Huber, Leslie V., 96 Avenue D.
 Jarmulowsky, Adolph, 102 East 60th street.
 Johnston, Fred M., 145 East 117th street.
 Joseph, Samuel, 51 East 106th street.
 Kahn, William B., 158 East 74th street.
 Kahner, Milton L., 71 East 92d street.
 Kantrowitz, Morris, 68 Essex street.
 Kaufmann, Charles, 628 5th street.
 Klein, Morris, 27 Avenue B.
 Koenig, Morris, 328 East 4th street.
 Kopp, Oscar H., 23 East 108th street.
 Kral, John W., 243 East 71st street.
 Kunzmann, James, 79 West 101st street.
 La Fetra, Harry L., 114 East 26th street.
 Landesman, Charles M., 291 East 3d street.
 Lazinsk, Abraham, 41 West 35th street.
 Leckler, Peter, Jr., 690 East 159th street.
 Leder, Benjamin, 3 Sheriff street.
 Lemmel, Edward, 157 West 120th street.
 Levy, Benjamin J., 210 East 74th street.
 Levy, Nathan D., 1482 First avenue.
 Lewis, Clarence Martin, 340 West 55th street.
 Lewis, George, 909 East 165th street.
 Liebl, Louis, 166 West 35th street.
 Lippman, Jacob, 204 East 76th street.
 Lisson, Albert, 19 East 105th street.
 Loewenkopf, Elias, 124 Rivington street.
 London, Abraham, 15 Willett street.

Lorber, Harry, 154 Norfolk street.
 Lord, Joseph A., 831 Elton avenue.
 Loveman, Herbert S., 210 West 139th street.
 Lowenfeld, Peter, 1654 Lexington avenue.
 Maloney, Robert W., 50 West 134th street.
 Mandelbaum, Herbert D., 941 Madison avenue.
 Mandelstamm, Abraham, 1809 Lexington avenue.
 Marblestone, Harry, 36 Sutton place.
 Marshall, Jas. F. H., 1011 Tiffany street.
 McCloskey, George Victor Andronicus, 148 East 30th street.
 McGrath, Edmund James, 114 East 117th street.
 McMullen, Albert Joseph, 123 East 106th street.
 Meister, William B., 627 East 141st street.
 Mendelson, Percival, 61 East 73d street.
 Metz, Benjamin, 349 East 60th street.
 Miller, Jacob J., 458 West 35th street.
 Moos, Herbert, 64 East 94th street.
 Morgenstern, Joseph, 154 Suffolk street.
 Moskowitz, Edward, 335 East 77th street.
 Mulholland, Vincent Ignatius, Marion avenue and 193d street.
 Murray, John A., 214 East 27th street.
 Myres, Magnus J., 59 East 92d street.
 Nichthauser, Bernard, 15 East 101st street.
 Nyitray, Emil, 223 East 71st street.
 Oelbaum, Harry, 153 Ridge street.
 O'Loughlin, Gerald S., 521 West 149th street.
 Orr, Louis H., Jr., 307 West 88th street.
 Pallay, Julius J., 2040 Amsterdam avenue.
 Perlo, Samuel, 102 Essex street.

Phillips, Herman, 228 Madison street.
 Pick, Rudolph E., 809 First avenue.
 Pickelsky, Frank, 15 Suffolk street.
 Pratt, Spencer D., 200 West 113th street.
 Prince, Leon M., 14 West 114th street.
 Rabinowitz, Herman G., 15 Essex street.
 Radin, Paul, 347 East 116th street.
 Raucher, Henry, 161 Stanton street.
 Ray, E. M. Hasset, 416 West 55th street.
 Reuben, Mark, 11 East 106th street.
 Richter, Theodore B., 68 East 79th street.
 Riordan, Richard J., 232 East 87th street.
 Røder, Joseph, 174 East 95th street.
 Røser, Charles, 158 East 82d street.
 Rosalsky, Alexander, 299 Broome street.
 Rosenberg, Louis, 733 East 9th street.
 Rosenberg, Samuel, 57 East 104th street.
 Rubinstein, Abraham, 131 East Houston street.
 Sachs, Barnett A., 1353 Second avenue.
 Sachs, Louis, 1065 Lexington avenue.
 Salomon, Harry G., Salomon's Cottage, Far Rockaway, L. I.
 Schitzberger, Aaron, 89 Sheriff street.
 Schepper, Abraham, 155 Forsyth street.
 Scherzinger, Charles A., 1604 Bathgate avenue.
 Schminke, Oscar, 100 Second avenue.
 Schoenfeld, Morris, 108 Lewis street.
 Schulman, Abram G., 76 Norfolk street.
 Seringhaus, Fred W., 954 Eighth avenue.
 Shaine, Marks, 5 East 106th street.
 Shoenfeld, Jerome B., 14 East 76th street.
 Sicher, Dudley F., 533 West 149th street.
 Simon, Irving, 222 Henry street.
 Simpson, Edwin Middleton, 474 Central Park, West.
 Sirovich, William Irving, 8 avenue D.
 Sladkus, S. Edmund, 127 West 120th street.
 Smith, James F., 329 East 33d street.
 Smith, R. M., 14 West 96th street.
 Solomon, Morris A., 25 Hester street.
 Specht, William H., 229 East 52d street.
 Spitz, Harry, 112 First avenue.
 Stein, Charles, 343 East 47th street.
 Steinberg, Joseph, 123 East 101st street.
 Stern, Milford, 313 East 80th street.
 Sullivan, John, West 170th street and Broadway.
 Sussmann, Edward, 158 East 108th street.
 Thoman, William F., 312 West 87th street.
 Tice, Walter A., 2053 Seventh avenue.
 Tintner, Benjamin, 18 West 118th street.
 Tobin, John L., 476 West 34th street.
 Tompkins, William C., 164 West 83d street.
 Traum, Jacob, 99 Cannon street.
 Tunick, Isidor S., 181 Allen street.
 Unger, William F., 167 East 71st street.
 Usitzky, Herman, 284 East Houston street.
 Wallstein, Leonard M., 17 West 124th street.
 Warren, Arthur D., 48 West 9th street.
 Warren, George E., 48 West 9th street.
 Weatherwax, Benjamin M., 153 East 52d street.
 Weil, Sidney, 1867 Morris avenue, Tremont.
 Weismann, Joseph A., 2320 Fulton avenue, Belmont, Fordham.

Weiss, Harold L., 209 East 115th st.
 Weller, Isaac R., 106 East 101st street.
 Werner, Gerard B., 318 West 55th street.
 Wiener, Louis, 752 East 5th street.

Wilsey, Edwin S., Kingsbridge.
 Wischoller, Harry, 184 East 7th street.
 Wolff, Raphael, 53 East 8th street.
 Ziegler, Jacob B., 48 Carmine street.

FRESHMAN CLASS—SCIENTIFIC COURSE.

Abraham, Benjamin, 153 East 103d street.
 Abraham, Herbert Samuel, 13 West 89th street.
 Abrams, William Lamberson, 96 Greenwich avenue.
 Ahern, John Joseph, 852 Columbus avenue.
 Anathan, Laurence Gustave, 65 West 131st street.
 Axelrad, Jacob, 31 Hester street.
 Bachman, Herbert Spencer, 60 West 89th street.
 Baum, Harry, 86 First street.
 Bellah, Robert Ganse, 2010 Fifth avenue.
 Berger, Noah, 178 Essex street.
 Bergstein, Adolph, 327 East 4th street.
 Bernheimer, Edgar Julius, 156 West 97th street.
 Block, Abraham B., 221 Henry street.
 Bohan, Owen William, 411 West 49th street.
 Borck, Charles, 213 East 72d street.
 Borklund, Walter Alfred, 245 Willis avenue.
 Borowsky, Maurice, 42 East Broadway.
 Borst, William, 1080 First avenue.
 Boskey, Meyer, 98½ Essex street.
 Boswell, Ralph Cavis, 72 West 45th street.
 Boylan, Arthur Aloysius, 127 East 86th street.
 Brown, Louis, 127 Rivington street.
 Burkhardt, John H. A., Lafontaine avenue corner 181st street.
 Callaghan, James, 350 East 116th street.

Carman, Ronald G., 42 Lorillard street.
 Chugerman, Samuel, 79 Norfolk street.
 Cohen, Lawrence, 11 Montgomery street.
 Cohen, Samuel, 18 Cannon street.
 Cook, Henry S., 113 East 113th street.
 Cox, Samuel S., Jr., 1753 Bathgate avenue, Tremont.
 Craft, Harry L., 217 West 133d street.
 Crohn, Burrill B., 216 East 82d street.
 Crone, Harry, 152 East 89th street.
 De Lara, F. Belasco, 269 West 127th street.
 Desvernine, Emilio, 227 West 135th street.
 Deutsch, Victor, 250 Second street.
 Diamondstein, Julius, 6 and 8 West 116th street.
 Dworsky, Harry P., 239 East 60th street.
 Eckmann, William, 36 Attorney street.
 Edwards, Charles C., 467 West End avenue.
 Ehrlich, William, 251 East 7th street.
 Eichhorn, Louis, 341 East 3d street.
 Erlanger, Sydney B., 74 East 81st street.
 Emanuel, Harry N., 156 East Broadway.
 Epstein, Max, 25 Rutgers place.
 Feld, Max, 78 Rivington street.
 Filfuss, Nathaniel, 79 Willett street.
 Fischer, Julius, 32 St. Mark's place.
 Fisher, Harry A., 914 St. Nicholas avenue.
 Foster, I. Ira, 320 East 50th street.
 Franz, John, 548 Fifth street.

Friedman, Jacob, 97 Willett street.
 Friedson, Morris, 210 East 3d street.
 Friend, Steven Lawrence, 59 East 75th street.
 Fruhauf, Saul D., 360 Bowery.
 Frumberg, Maurice H., 307 East 74th street.
 Furst, Sidney, 952 Fleetwood avenue.
 Garner, William Francis, Blythe-bourne, New York.
 Gartlan, George Hugh, 245 East 116th street.
 Gilbert, Francis, 45 Grove street.
 Gilbert, Max, 100 West 73d street.
 Gillhaus, Henry, 1688 Avenue A.
 Goldberg, Abraham, 666 East 136th street.
 Goldberger, Louis, 102 Cannon street.
 Gollomb, Joseph, 36 Scammell street.
 Gordon, Richard Haden, 138 West 96th street.
 Greenberg, Morris, 91 Attorney street.
 Grossmann, Julius, 418 E. 57th street.
 Hammond, Ralph G., 25 East 125th street.
 Hanaway, George S., 1182 Madison avenue.
 Harris, Louis S., 183 Henry street.
 Heidelshimer, Irving, 21 West 94th street.
 Heil, Alfred, 63 East 127th street.
 Henderson, Charles L., 623 East 143d street.
 Herrmann, Charles Edward, 1298 Madison avenue.
 Herrmann, I. H., 100 Avenue C.
 Hesse, Harold, 565 Walton avenue.
 Heyman, Harry, 417 East 56th street.
 Hilker, Hermon G. S., 566 Lexington avenue.
 Hoffmann, Abraham, 193 Second avenue.
 Hoffman, Milton, 49 West 95th street.
 Horowitz, Samuel, 226 East 6th street.
 Hunt, J. Russell, 118 West 53d street.
 Intemann, Henry C., 848 Union avenue.

Jaeger, Charles, 340 East 52d street.
 Jaret, Abraham, 66 East 109th street.
 Kahn, Ely, 50 East 83d street.
 Kaiser, Leon S., 1295 First avenue.
 King, Edward P., 142 West 133d street.
 Koch, Edward R., 714 Courtlandt avenue.
 Krashes, David, 233 Division street.
 Kraus, Sidney Chester, 89 West 119th street.
 Krauss, Leon W., 65 Convent avenue.
 Kreshover, Jacob S., 179 Bowery.
 Lamport, Arthur M., 97 East Broadway.
 Lang, Edward M., 52 East 91st street.
 Larkin, Thomas C., Broadway, Kingsbridge.
 Laufer, Abraham Monroe, 42 Avenue C.
 Lebourtz, Emanuel, 32 Columbia street.
 Leonhardt, Ernest W., 2049 Anthony avenue, Tremont.
 Levene, Alexander, 1626 Madison avenue.
 Levene, Benjamin, 1626 Madison avenue.
 Levy, Gustave, 96 East 114th street.
 Levy, Hyman, 218 Henry street.
 Levy, William, 160 East 94th street.
 Lewine, Raymond S., 18 East 120th street.
 Liberman, Herman N., 121 East 94th street.
 Lipschitz, Samuel S., 247 Monroe street.
 Lipshitz, Moses H., 204 East Broadway.
 Lowenstein, Leon, 46 West 91st street.
 Lubelsky, Isidor L., 130 Norfolk street.
 Lyon, Walter, 201 West 85th street.
 Margolis, Louis, 88 Chrystie street.
 Martinez, Antonio Constantine, Jr., 80 West 92d street.
 Massell, Alexander, 211 Henry street.

McBennett, John J. F., 234 East 89th street.
 McCarthy, William P., Broadway, Kingsbridge.
 McNabb, Thomas H., 488 East 176th street.
 Mendes, Arthur de L., 683 West End avenue.
 Metzger, Edwin, 62 East 90th street.
 Meuer, Abraham, 145 East 82d street.
 Modry, A. Sidney, 140 East 74th st.
 Moskowitz, Morris, 57 Eldridge street.
 Mundorff, Fredric William, 268 Seventh street.
 Neumann, Frederick C., 1484 Washington avenue.
 Newberger, Leo, 303 East 118th street.
 Newmark, Moses, 201 Henry street.
 Perl, Isaac, 154 East Broadway
 Pforzheimer, Walter, 348 East 124th street.
 Pierce, Frederick E., 157 West 133d street.
 Pincus, Emil, 357 West 22d street.
 Popplewell, Sidney, 258 East 33d street.
 Prager, Jacob B., 86 Willett street.
 Ranger, Louis S., 705 Park avenue.
 Reich, Abram G., 680 Lexington avenue.
 Reynolds, Walter V., 144 West 132d street.
 Robinson, Bernard, 161 Madison street.
 Rogers, Saul, 52 Morton street, Brooklyn.
 Rosenzweig, Harold M., 212 Clinton street.
 Rothenberg, A., 69-71 Chrystie street.
 Rothschild, Harry M., 45 West 72d street.
 Rubens, Gilbert Edward, 121 Second avenue.
 Rubin, Isidore, 67 East 3d street.
 Ruprecht, Ludwig T., 528 West 142d street.
 Sanuth, Jacob, 734 Fifth street.

Schaefer, Frederick Louis, 448 West 47th street.
 Schoenbrun, Morris, 138th street and Amsterdam avenue.
 Schwartz, Raymond S., 80 Second avenue.
 Schwarz, Samuel, 322 East 58th street.
 Schur, Carl, 600 Park avenue.
 Schwerin, Leo, 158 West 97th street.
 Siegel, Meyer D., 46 Pike street.
 Siegel, Morris T., 12 Rutgers place.
 Siegel, Samuel, 213 Madison street.
 Simpson, Julius, 311 Sixth street.
 Singer, David, 147 East Broadway.
 Smillie, Sheldon, 650 Madison avenue.
 Smolensky, Abraham Louis, 128 Rivington street.
 Solomon, Charles, 47 Catharine street.
 Solomon, Hyman, 231 Broome street.
 Speyer, Jesse J., 133 East 84th street.
 Spiegelberg, Walter Scott, 26 West 83d street.
 Steinbock, Henry, East 50th street.
 Steiner, Maurice, 327 East 42d street.
 Stewart, Edgar E., 123 West 11th street.
 Stodola, Gilbert I., 666 East 135th st.
 Strauss, Louis, 4 East 85th street.
 Streicher, Morris, 103 Delancey street.
 Tekulsky, Sol., 128 East 94th street.
 Thomas, Lloyd Brant, 160 Bleeker street.
 Toerner, Frederick W., 936 East 160th street.
 Trubenbach, Conrad, 363 West 58th street.
 Tucker, Charles F., 246 West 132d st.
 Weinberg, Nathan, 220 West 128th st.
 Weinberger, William, 85 Lewis street.
 Wieder, Max, 59 Lewis street.
 Wieder, Samuel, 59 Lewis street.
 Wilensky, Samuel, 209 Clinton street.
 Wolfson, Joseph, 23 Henry street.
 Wray, Clifford, 347 West 28th street.
 Wright, Donald A., 317 West 90th street.
 Zimmerman, Isidore, 130 East 94th street.

FRESHMAN CLASS—SCIENTIFIC COURSE WITH MECHANICS.

- Acker, Albert J., 239 West 49th street.
 Adams, Harry M., Sherwood street, Fordham.
 Autenrieth, George C., 216 Seventh street.
 Back, H. E., 466 West 166th street.
 Barshell, Frederick B., 231 East 82d street.
 Birkhahn, Jacques, 71 East 87th street.
 Borsody, Alexander, 710 East 5th street.
 Branower, Solomon, 208 Rivington street.
 Branower, William, 208 Rivington st.
 Bryce, James W., 1035 Stebbins avenue.
 Bush, Joachim F., 286 Tenth avenue.
 Chastagner, Emile George Henry, 335 West 37th street.
 Cohn, Joseph, 47 Willett street.
 Crowell, Frederick Bissell, Jr., 560 Buckhout street, Mount Hope.
 Deegan, John J., 460 West 165th street.
 Dessar, Herbert, 234 East 61st street.
 Fitzgerald, John Joseph, 212th street and Ninth avenue.
 Friedman, Joseph Henry, 224 Rivington street.
 Garrecht, Arthur C., 1028 Prospect avenue.
 Goldstein, Albert M., 343 East Houston street.
 Gray, Wallace A., 358 West 33d street.
 Herman, Gabriel, 268 Stanton street.
 Johannsen, Louis C., 165 East 89th street.
 Kamholtz, Albert, 69 Columbia street.
 Kebler, Leonard, 606 West 114th street.
 Kelly, Edward Henry, 509 Amsterdam avenue.
 Kelly, Edward J., 1793 Amsterdam avenue.
 Kirby, Edgar L., 692 East 179th street.
 Kissick, William J., 415 West 46th street.
 Kyle, George W., 70 West 134th street.
 Landsman, Abraham, 161 Second street.
 Lawrence, Norman W., 244 West 104th street.
 Lebson, Abraham, 91 Henry street.
 Levy, David, 765 Tenth avenue.
 Levy, Joseph, 150 East 86th street.
 Lewinson, Leonard J., 129 East 95th street.
 Lobo, Arthur, 219 West 44th street.
 Loth, Stanley H., 101 East 75th street.
 Markham, George B., 64 East 111th street.
 McNabb, William J., Concourse and 176th street.
 Mullin, Richard J., 134 Henry street.
 Munson, Alfred S., East Prospect street, City Island.
 Neugass, Solomon, 71 East 123d street.
 O'Meara, Robert Joseph L., 139 East 119th street.
 Panaroni, Alfred G., 263 West 40th street.
 Parramore, Robert B., 2194 Seventh avenue.
 Perrine, J. Frank, 206 First avenue, L. I. City.
 Phelps, Charles C., 425 West 57th street.
 Rogers, Augustus, 214 West 128th street.
 Rosenfeld, Carl Herbert, 887 St. Nicholas avenue.
 Rosenfeld, Herbert, 136 East 74th street.
 Scannell, Thomas John, 551 West 147th street.
 Schellenberg, Frank O., 353 West 40th street.
 Schmid, Robert M., 25 Beekman place.
 Schulman, Ralph, 63 Canal street.
 Shane, Bernard, 2170 Seventh avenue.
 Simon Herbert S., 5 East 78th street.
 Soossen, W. H., 1394 Prospect avenue.

Tiesenhausen, Ferd. P., 1163 Washington avenue.

Wall, John F., 1825 Amsterdam avenue.

Warschafsky, Reuben, 604 East 9th street.

Wells, Arthur C., 1242 Washington avenue.

Wiesenberg, Simon, 53 Broome street.

Wolff, Willy August, 56 West 114th street.

SUB-FRESHMAN CLASS—CLASSICAL COURSE.

Aaronson, Nathaniel, 14 Cannon street.

Abramovitz, Jacob, 30 Rivington street.

Altschul, Joseph S., 278 East Broadway.

Arnowitz, Moses L., 75 Orchard street.

Bach, Frank A., 55 East 80th street.

Bartley, Thomas J., 507 Columbus avenue.

Benjamin, Isaac, 38 Essex street.

Berger, Isidor, 290 Seventh street.

Berger, Louis C., 227 Seventh avenue.

Berkowitz, Morris, 216 East 3d street.

Berlinicke, Harry R., 166 West 96th street.

Berman, Pincus B., 83 Henry street.

Blumenthal, Louis F., 332 East 79th street.

Boas, Solomon B., 1387 Fifth avenue.

Bogler, Alfred H., 632 East 144th street.

Brady, Thomas J., 49 East 106th street.

Brande, Harry H., 40 East 112th street.

Braun, Jacob, 296 East 3d street.

Briggs, John T. J., 71 West 134th street.

Briggs, Lucius, 105 West 132d street.

Bunimowitz, Ellis, 109 Roebling street, Brooklyn.

Butler, Centennial, 238 West 135th street.

Butler, Howard A., 145 E. 30th street.

Caird, John D., 45 East 134th street.

Callahan, Joseph M., 2729 Eighth avenue.

Chudoba, John C., 109 West 113th street.

Cifaldi, Alexis, 69 Third avenue.

Clare, James L., 471 Manhattan avenue.

Clark, Austin G., 165 East 74th street.

Cochnar, Robert, 324 East 73d street.

Cohen, Bernard, 103 East 88th street.

Cohen, Robert, 99 Stanton street.

Cohn, Moritz, 36 East 84th street.

Conklin, Alfred R., Sixteenth avenue, East of 4th street, Wakefield.

Corn, Percival, 1052 Lexington avenue.

Cox, Walter G., 39 West 117th street.

Daniels, Saul, 151 Suffolk street.

Darrah, Harry Le Roy, 26 Bank street.

David, Charles T., 18 Suffolk street.

Davis, Thomas G., 735 East 145th street.

Dorman, John J., 919 Brook avenue.

Duffy, Charles L., 1028 Madison street, Brooklyn.

Dulon, Rudolf R., 646 West 158th street.

Dyer, John G., 48 Sutton place.

Echeverria, Federico J., 44 West 75th street.

Edelson, Emanuel M., 307 Henry street.

Evans, Samuel H., 144 Decatur street, Brooklyn.

Feust, Philip, 718 East 138th street.

Finkelstein, Hyman M., 45 Eldridge street.

Forstot, Samuel, 86 Norfolk street.

Foucar, Frederick H., 69 and 71 East 93d street.

Frank, Edwin A., 358 East 79th street.
 Frank, Julius G., 311 West 143d street.
 Freund, Arthur, 776 East 163d street.
 Freedman, Samuel, 102 Cannon street.
 Fried, Henry, 126 Sheriff street.
 Geissler, George F., 336 East 59th street.
 Gersten, Solomon, 275 Madison street.
 Getzelsohn, Julius A., 305 Madison street.
 Gershurtz, Nathan, 50 Market street.
 Glück, William S., 221 East 114th street.
 Goodman, Harry G., 442 East 77th street.
 Gordon, Edward A., 21 Cornelia street.
 Grace, Roderick V., 345 Forest avenue.
 Graham, George W., 781 East 31st street, Brooklyn.
 Grill, Louis, 109 Broome street.
 Gruenberg, Frederick P., 67 East 3d street.
 Guttman, Adam, 721 East 6th street.
 Haese, James H., Cottage Grove avenue, McGraw Estate, Westchester.
 Haley, Owen A., 538 East 84th street.
 Hartley, Bernard C., 169 West 64th street.
 Harvich, M., 226 Eldridge street.
 Heidgerd, Gustav H., 324 East 116th street.
 Heiman, Jacob, 15 East 112th street.
 Henriques, Maurice, 322 East 89th street.
 Herlands, Jacob D., 254 Henry street.
 Herzlich, Abraham, 8 Wooster street.
 Hoffman, Gordon W., 451 East 119th street.
 Hofheimer, Henry, 318 East 19th street.
 Honig, Aaron, 204 Monroe street.
 Hornidge, Henry T., 208 East 49th street.
 Hornidge, Wm. T., 208 East 49th street.
 Horton, Everett W., Box 56, Richmond Hill, L. I.
 Humphreys, Edwin W., 1559 Avenue A.
 Illich, Louis L., 3d street, Williamsbridge.
 Jacobs, Walter A., 1231 Madison avenue.
 Jenkins, Murray T., 173 West 85th street.
 Jonap, Matthew, 219 East 28th street.
 Kann, George Emil, 331 East 84th street.
 Katz, Henry D., 1736 Madison avenue.
 Kaufman, Alfons, 256 West 129th street.
 Kempner, Harry, 164 East 103d street.
 Klaber, Eugene Henry, 389 Manhattan avenue.
 Klein, Joseph S., 311 East 74th street.
 Klein, Louis J., 130 Cannon street.
 Knickerbocker, Reginald C., 145 West 128th street.
 Knoring, Barnet A., 162 Henry street.
 Kobac, Samuel A., 335 Hudson street.
 Krause, Paul O., 349 Seventh avenue.
 Kregel, Benjamin, 40 Division street.
 Leifer, David, 127 Orchard street.
 Lesser, Harry R., 1379 Lexington avenue.
 Lessler, Louis, 2 Orchard street.
 Lenchs, Max J., 628 East 145th street.
 Levenberg, Samuel P., 76 Monroe street.
 Levine, Joseph, 60 Orchard street.
 Levy, Edward B., 20 Second avenue, New Brighton, S. I.
 Levy, Felix A., 314 West 30th street.
 Levy, Michael, 107 Second street.
 Lipschitz, Isadore, 99 First street.
 Long, William Bayard, 408 West 146th street.
 Loucheim, Chester Hood, 229 West 120th street.
 Loucheim, Milton Sanford, 2206 Third avenue.
 Lubarsky, Louis, 59 Hester street.

- Lublensky, Nathan Arios, 293 Rivington street.
- MacInnes, Malcolm Dwight, 312 West 142d street.
- Maguire, George, 1996 Third avenue.
- Martin, Erskine William, 190 Avenue B.
- Mayer, Joseph Leo Bernhard, 227 East 60th street.
- McCready, Robert Lyness, Jr., 228 West 127th street.
- Mackay, Douglas Imrie, 364 Lexington avenue.
- McGinn, James Augustine, Jr., 306 Locust avenue.
- Meehan, Joseph Aloysius, 224 East 39th street.
- Meighan, Thomas Warren, Mamaronck, N. Y.
- Melville, Norbert John, 726 Crescent street, Long Island City, N. Y.
- Mergentime, Gustav, Ogden avenue near Devoe street, Highbridge
- Metzger, Emanuel, 22 East 91st street.
- Michaelis, William, 334 East 16th street.
- Mitchell, Ralph, 16 East 120th street.
- Mittleman, Jacob, 121 Lewis street.
- Moore, Justin H., 100 West 124th street.
- Morrill, Charles, 250 West 130th street.
- Moskowitz, Louis, 115 Cannon street.
- Müller, Theodore, 528 East 14th street.
- Muñoz, Cecil Miguel, 442 Central Park, West.
- Munstermann, Frederick Henry William, 428 East 77th street.
- Murphy, Arthur George, 817 East 134th street.
- Murtagh, Joseph Michael, 570 Lexington avenue.
- Myers, George, 275 Seventh street.
- Nechamkin, Alexander, 94 Chrystie street.
- Newmark, John, 70 East 121st street.
- Nissenson, Samuel George, 328 East 79th street.
- Oppenheimer, Louis de Leeuw, 132 West 104th street.
- Orloff, Bernard, 221 East 74th street.
- O'Shaunessy, David, 727 Cauldwell avenue.
- Pariser, Abraham M., 16 Rutgers place.
- Patterson, Chester A., 723 East 178th street.
- Patterson, Robt. S., 1998 Burnside avenue.
- Patterson, Samuel W., 321 West 16th street.
- Phillips, Nathaniel, 228 Madison street.
- Polansky, Joseph, 78 Forsyth street.
- Prigozen, Bernard, 61 Canal street.
- Putzel, Robert M., 58 East 80th street.
- Quigley, Fredk. J. C., 1259 Park ave.
- Rabinovitch, David, 200 East 7th street.
- Rath, George Edward, 413 East 116th street.
- Reed, Edward August, 325 East 59th street.
- Rehfield, Edward Geo., 512 East 142d street.
- Rieffel, Oscar A., 26 St. Felix street, Borough of Brooklyn.
- Ring, Max H., 108 Chrystie street.
- Roback, Davis, 4 Orchard street.
- Rodger, John H., 130 West 109th street.
- Rose, George S., 639 Lexington avenue.
- Rosenberg, Gilbert S., 119 East 81st street.
- Rosenthal, Edward, 120 Division street.
- Roth, Joseph, 47 Second avenue.
- Roth, Norman, 125 Franklin street, Brooklyn.
- Salpeter, Morris, 47 Lewis street.
- Schaap, Maurice, 24 West 120th st.

Schayer, Max, 69 East 113th street.
 Schellitzer, Max, 309 East 74th street.
 Schnitzer, George, 33 Sutton place.
 Schulze, Henry S., 502 East 162d street, Melrose.
 Schwartz, Charles, 1125 Madison avenue.
 Schwartz, Joseph Louis, 736 Lexington avenue.
 Shaine, Morris Louis, 5 East 106th street.
 Shapiro, Benjamin, 95 Forsyth street.
 Sharlitte, Michael, H. S. G. S., 151st street and Eleventh avenue.
 Simon, Hyman, 222 Henry street.
 Singer, Albert, 126 East 80th street.
 Singer, Isaac, 341 East 74th street.
 Sloss, Howard N., 138 West 136th street.
 Sobel, Arthur, 119 Cannon street.
 Sprague, Talbert W., 227 West 127th street.
 Stang, Jacob, 11 Pitt street.
 Stark, Benjamin, 16 Clinton street.
 Stein, Herbert L., 292 Manhattan avenue.
 Steinert, Ambrose M., 141 East 57th street.
 Stern, Samuel E., 137 West 92d street.

Strong, Robert, 504 East 13th street.
 Sweezy, Larremore V. V., 61 Convent avenue.
 Theil, Sigmund S., 74 Second avenue.
 Tobias, Abraham M., 168 Second street.
 Urban, William, 307 East 27th street.
 Vernam, Harold D., 108 South Oxford street, Brooklyn.
 Villone, Nicholas, 153 West 27th street.
 Vogel, Edwin C., 56 East 80th street.
 Vonder Osten, Julius H., 2597 Eighth avenue.
 Waldman, David, 639 East 6th street.
 Waldman, Joseph J., 19 West 124th street.
 Walker, William J., 550 East 152d street.
 Wall, William, 37 West 133d street.
 Ward, Albert E., Westchester avenue, opposite Fox street.
 Weber, Salo., 210 East 60th street.
 Weiner, Max, 290 East 4th street.
 Wile, Udo J., 304 West 89th street.
 Wilensky, Abraham, 22 Pike street.
 Wilson, Ludwig, 344 East 79th street.
 Wittstein, Hyman, 280 East Broadway.

SUB-FRESHMAN CLASS—SCIENTIFIC COURSE.

Abraham, Irving P., 13 West 89th st.
 Abrams, Leo D., 1683 Third avenue.
 Allen, Robert J., 623 East 140th street.
 Andrews, Guy, 121 East 47th street.
 Anekstein, Joseph A., 11 Rutgers street.
 Appelbaum, Jacob L., 30-32 Pitt street.
 Arbus, Bernard B., 86 East Broadway.
 Arnold, Wilford Curtis, 304 East 89th street.
 Arnson, Ludwig, 63 East 110th street.
 Austin, Charles S., 2078 Boston Road.
 Baer, Abraham L., 237 East 7th street.
 Barber, James Frederick, 457 West 155th street.

Baschkopf, Abraham, 214 Madison street.
 Becker, Rudolph C., 346 East 51st street.
 Bennett, Arthur, 424 West 146th street.
 Berman, Louis, 14 Rutgers place.
 Bertrand, Charles A., 730 East 6th street.
 Betzig, Edward P., 717 East 143d street.
 Biglow, Ernest, 511 West 145th street.
 Blissert, Francis, 424 West 57th street.
 Blumenthal, Louis, 133 East 84th street.
 Blumstein, David B., 36 Hamilton st.

Bohrar, Morris D., 166 Attorney street.
 Bonis, Harry N., 167 East 75th street.
 Borchardt, Edwin M., 326 East 58th street.
 Boyd, James, 360 West 58th street.
 Branner, Maxwell, 244 East 110th street.
 Braunstein, William, 3 Bayard street.
 Bronstein, David, 29 Market street.
 Brown, Aaron, 127 Rivington street.
 Brown, Robin C., 267 West 79th street.
 Bryce, Clarence H., 1035 Stebbins avenue.
 Bucknall, Charles William, 230 West 144th street.
 Budinoff, Samuel L., 516 East 12th street.
 Callahan, Cornelius J., 164 West 128th street.
 Cantor, Max A., 81 Henry street.
 Carroll, Charles J., 106 East 84th street.
 Caulfield, John, Nelson avenue and 167th street, Highbridge.
 Chrystal, Harold, 29 West 84th street.
 Citron, David, 49 Willett street.
 Cohen, Aaron, 107 Norfolk street.
 Cohen, Abraham B., 435 East 149th street.
 Cohen, Isidor, 389 Eighth avenue.
 Cohen, Meyer, 32 East Broadway.
 Cohen, Nathan, 29 Attorney street.
 Cohn, Charles Joseph, 333 West 15th street.
 Cohn, Louis B., 120 East 113th street.
 Cooper, Samuel, 106 Orchard street.
 Costikyan, Puzant H., 478 West 159th street.
 Creske, Henry H., 223 East 4th street.
 Crystal, Thomas, 324 East 14th street.
 Cushner, Isidore, 138th street and Amsterdam avenue.
 Degen, Charles, 334 East Houston street.
 Deutsch, Bernard, 229 East 4th street.

Doyle, William Thomas, 177 Lexington avenue.
 Druding, Frank D., 659 Western Boulevard.
 Dumey, Charles, 35 Attorney street.
 Eckert, Edgar, 205 East 48th street.
 Eckstein, Arthur, 26 Sutton Place.
 Eisenman, Harry, 221 Madison street.
 Engle, Joseph, 155 East 47th street.
 Esselborn, Karl, 779 East 163d street.
 Faeber, Nathan, 187 Ludlow street.
 Fahey, Joseph J., 671 East 148th street.
 Feldman, Charles, 66 East Broadway.
 Feuerlicht, Julius Sydney, 128 Cannon street.
 Fink, Morris, 336 East 86th street.
 Fishel, Nathan, 86 Norfolk street.
 Fleming, John, 246 West 124th street.
 Fondiller, Richard, 75 East 125th street.
 Fondiller, William, 75 East 125th street.
 Frankenthaler, George, 45 St. Marks' Place.
 Freedman, Isaac, 95 Henry street.
 Freedman, Jacques, 240 East 77th street.
 Freeman, Charles, 305 East 50th street.
 Fried, Abraham, 198 East Broadway.
 Friedman, David, 274 East 3d street.
 Fuld, Fred, 312 East 50th street.
 Gano, W. J., corner Parsons and Cypress avenue, Flushing, L. I.
 Gardner, Bernard, Fulton street, Wakefield.
 Geilich, Abraham, 64 Monroe street.
 Gettler, Oscar, 104 East 2d street.
 Glemby, Louis, 149 Eighth avenue.
 Glotzer, Isidor, 198 First avenue.
 Goldberg, Julius, 8 Lewis street.
 Goldberg, Samuel, 177 East Broadway.
 Goldston, Philip, 38 East 63d street.
 Goodman, Max, 94 Sheriff street.
 Gray, Charles S., 1 Wilson avenue, Borough of Queens.

- Grebenau, Harry L., 422 East 82d street.
- Greenberger, Jacques E., 1893 Lexington avenue.
- Greenhaus, Abraham S., 121 Delancey street.
- Greenstein, Benjamin, 402 East 58th street.
- Grossmann, David, 709 East 5th street.
- Grudberg, Simon C., 119 Norfolk street.
- Hahn, Julius, 176 Ludlow street.
- Hammer, Jefferson, Madison street, near Morris Park, Van Nest.
- Hannan, John J., 463 West 166th street.
- Harcourt, Lyall, 257 West 92d street.
- Harris, Louis I., 379 East 8th street.
- Hatzel, George G., 60 East 8th street.
- Heine, Joseph, 55 Second street.
- Hermanni, Emil, 161 Avenue A.
- Hershman Abr. 41 Forsyth street.
- Hertel, George F., 431 East 85th street.
- Hertz, Emanuel, 199 Manhattan avenue, Brooklyn.
- Hoeber, Paul B., 612 Lexington avenue.
- Holbrook, Edwin A., 645 Prospect avenue.
- Holding, William R., 824 Morris avenue, 158th street.
- Hollmann, Fred W., 1269 Madison avenue.
- Hurwitz, David, 103 East 116th street.
- Isaacs, Meyer, 312 Henry street.
- Ittelson, Max, 51 First street.
- Jacobowitz, Arnold, 820 East 6th street.
- Josephi, Robert, 28 West 95th street.
- Kahn, Samuel, 39 Rutgers street.
- Kaminsky, Alexander, 1364 Lexington avenue.
- Kane, John P., 118 West 79th street.
- Karsch, Oswald J., 262 West 54th street.
- Kchoe, Edward J., 88 Perry street.
- Keil, Aaron, 97 Mangin street.
- Keller, Morris, 81 Norfolk street.
- Kelts, Lee L., 2042 Fifth avenue.
- Kilian, Theodore P., 352 West 33d street.
- Kirschenbaum, Fred, 104 Suffolk street.
- Klein, William, 290 East 4th street.
- Kletzky, Michael, 44 First street.
- Knakal, William, 1042 First avenue.
- Krieger, Isaac I., 19 Suffolk street.
- Kroll, Charles, 55 East 106th street.
- Kronberg, S. 101 East Broadway.
- Kutscher, Martin, 100 Broad street.
- Stapleton, Borough of Richmond.
- Laffin, Charles W., 113 Leroy street.
- Lanzil, Mortimer, 186 Broome street.
- Larkin, Martin P., Broadway, Kings-bridge.
- Lehrburger, Carl H., 157 East 63d street.
- Levenson, John J., 797 West End avenue.
- Levine, Joseph M., 211 Madison st.
- Levy, Bennie, 926 Columbus avenue.
- Levy, Charles H., 185 Henry street.
- Levy, Geo., 16 Ridge street.
- Lewis, George, 217 East 106th street.
- Lipowitz, Israel, 168 Monroe street.
- Lippman, Maurice I., 177 Orchard street.
- Lippman, Moses, 96 Henry street.
- Loeb, Victor A., 52 East 122d street.
- Loew, Joseph, 187 Ludlow street.
- Mack, H. Arthur, 207 West 107th street.
- McCready, Edward William, 152 Allen street.
- Magner, Alexander Joseph, Eden avenue and 174th street.
- Mantell, Robert Shand, 340 West 46th street.
- Marcus, Samuel Schnaer, 159 Suffolk street.
- Markewich, Samuel, 181 Madison street.
- Marks, Bertram Lindemann, 325 East 65th street.

Martin, Frederick William James, 355 West 58th street.
 Meehan, Charles H., 557 First avenue.
 Menke, Frederick David, 27 East 104th street.
 Michailovsky, Joseph, 130 East 104th street.
 Miller, Louis, 15 Suffolk street.
 Miller, Thomas, Jr., 183 West 73d street.
 Mitchell, William John, 216 East 61st street.
 Mogulesko, Julius Lawrence, 242 East Broadway.
 Monosowitz, Abraham, 246 East Broadway.
 Moses, Abraham, 1042 First avenue.
 Moses, Henry Clay, 134 East 87th street.
 Moseson, Gabriel, 1813 Lexington avenue.
 Moskowitz, Harry, 49 Cannon street.
 Myers, Willard Lawrence, 107 Waverly place.
 Negle, John Rudolph, 640 East 11th street.
 Neckritz, Morris, 263 Madison street.
 Neñrbas, Charles Jacob, 704 East 135th street.
 Newell, John Joseph, 385 Columbus avenue, Van Nest Park.
 Niemann, Edward, 309 East 10th street.
 Norman, Conrad Vincent, 34 West 135th street.
 O'Brien, James Joseph, 682 East 143d street.
 O'Neill, Arthur V., 897 Kent avenue, Brooklyn.
 Osterweis, Louis, 137 Avenue C.
 Pach, Walter, 1135 Park avenue.
 Pacini, Albert Bonaventure, 148 West 24th street.
 Pack, Henry Smith, 544 East 89th street.
 Pendleton, Howard, Jr., 1 West 129th street.

Perlman, William, 148 Madison street.
 Peyser, Henry, 2285 First avenue.
 Phillips, Aaron, 184 Henry street.
 Pickering, Lenox Anderson, 340 East 83d street.
 Prager, David, 129 East 74th street.
 Quinn, Eugene, C. S., 545 East 12th street.
 Reit, Hyman, 238 Henry street.
 Remenitski, John G., 142 Columbia street.
 Richardson, Malcolm B., 172 West 105th street.
 Rieder, Raymond, 3454 Third avenue.
 Riederer, Charles, Jr., 312 East 87th street.
 Roberts, Edwin C., 1237 Fulton avenue.
 Rolle, Sidney, 119 East 83d street.
 Rosenberg, Henry C., 134 Columbia street.
 Rosenholz, Harry L., 156 East Broadway.
 Rosenstein, Saul, 149 East Broadway.
 Rosenthal, Joseph, 585 Amsterdam avenue.
 Rosenthal, Sidney S., 336 East 51st street.
 Rosenwasser, Morris Emanuel, 63 Mangin street.
 Rosenzweig, Benjamin, 318 Broome street.
 Rothfeder, Philip, 87 Madison street.
 Rubin, Jacob, 173 East 105th street.
 Ruderman, Michael, 82 Essex street.
 Ryan, John J., 310 East 83d street.
 Ryan, Joseph L., 281 Madison street.
 Sachs, Abraham, 100 Stanton street.
 Schapiro, Morris, 3412 Third avenue.
 Schapiro, Morris Samuel, 130 Rivington street.
 Schiller, Abraham N., 8½ Baxter street.
 Schlesinger, Max A., 350 East Houston street.
 Schlubsky, Jacob, 93 Clinton street.
 Schuman, Samuel, 13 Essex street.

- Schuval, Philip A., 211 Madison street.
- Schwartz, Frank, 163 Ludlow street.
- Schwartz, Joseph, 102 Cannon street.
- Schwartz, Samuel, 148 Clinton street.
- Segal, Isidor, 122 East 102d street.
- Segal, Jacob Arthur, 139 Forsyth street.
- Seitz, Henry George, Jr., 2842 Third avenue.
- Seller, George Richards Wight, 528 West 123d street.
- Settel, Isidore, 288 Madison street.
- Shapiro, Henry, 91 Second avenue.
- Shapiro, Samuel, 411 Cherry street.
- Sheehan, Frederick, Van Nest, New York City.
- Sherman, David Leon, 60 Catherine street.
- Shulman, Moses, 134 Canal street.
- Sibbel, Armin Joseph, 1749 Topping avenue.
- Siegel, Benjamin, 167 East 75th street.
- Sim, Robert Lee, 536 West 156th street.
- Simmonds, Lionel, 138th St., Amsterdam avenue.
- Sladufsky, Samuel, 39-41 Suffolk street.
- Smigelsky, Myron, 244 East 74th street.
- Sonn, Leon Hollander, 205 East 71st street.
- Sosinsky, Max, 80 Monroe street.
- Soule, Elliot Fremont, Jr., 570 Berry street.
- Sperling, Samuel, 79 Willett street.
- Spencer, Frank Armington, Jr., 671 East 141st street.
- Spinrad, Moses, 50 Ridge street.
- Stäger, Wolfram, 101 East 78th street.
- Stark, Samuel, 87 Baxter street.
- Steers, George Christian, 625 East 148th street.
- Stern, Benjamin, 740 Sixth street.
- Stumpf, Gustav Adolph, 643 East 11th street.
- Sugarman, Abraham, 299 Henry street.
- Susman, Harold Magnus, 18 East 88th street.
- Sutin, Bernard Aron, 260 Cherry street.
- Tanz, Isadore, 55 Pitt Street.
- Thomashefsky, Isidore, 107 Forsyth street.
- Thompson, Chas. F., 217 West 135th street.
- Tobias, Marten S., 2013 Fifth avenue.
- Treumann, Max Knitel, Jr., 101 West Eighty-sixth street.
- Tucker, Russell Stewart, 317 West 45th street.
- Tyson, Cornelius John, 111 East 89th street.
- Veit, Milton, 82 East 109th street.
- Walker, Chas. Ganahl, 343 West 56th street.
- Waller, Harry Daniel Wilmarth, Jr., 261 West 21st street.
- Warshauer, Harry Milton, 133 Essex street.
- Waters, Chester Arthur, 49 West 128th street.
- Weinstein, Theodore, 209 Clinton street.
- Weisenberg, Morris, 142 Suffolk street.
- Weiss, Benjamin, 68 Clinton street.
- White, Albert Chester, 44 White Plains avenue.
- Wichelns, Alfred, 88 Greenwich street.
- Williams, William Philipps, 422 West 20th street.
- Willis, Russell Henry, 126 West 45th street.
- Wilzin, Fred. N., 52 West 71st street.
- Wortmann, Otto, 178 Avenue A.
- Yeomans, Harry M., 303 West 18th street.
- Zeiner, H. Reginald, 706 Leonard street, Borough of Brooklyn.
- Zinsler, Jacob J., 312 Madison street.
- Ziporkes, Joseph, 122 Eldridge street.
- Zolty, Samuel, 300 Grand street.

SUB-FRESHMAN CLASS—MECHANICAL COURSE.

Anderson, Charles, 236 East 57th street.
 Anekstein, Jacob A., 11 Rutgers street.
 Backus, Fred C., 23 West 112th street.
 Bamberger, Alvin S., Colonnade Hotel, 726 Broadway.
 Barnett, Isadore I., 19 Rutgers place.
 Beck, Hyman, 129 Orchard street.
 Behr, Eugene A., 1585 Madison avenue.
 Bensch, Warman, 505 Amsterdam avenue.
 Bergenstein, Arthur C., 139 East 56th street.
 Bjorkstrom, Eric O., 407 East 106th street.
 Blum, Myrte M., 57 West 75th street.
 Bostroem, August, 174 East 76th street.
 Brindley, Elias B., 6 Fiedler Park, Tompkinsville, S. I.
 Briner, Robert F., 620 Lexington avenue.
 Brodie, Robert, 30 Montgomery street.
 Cavanaugh, Clarence F., 119 West 129th street.
 Cederberg, August J., Ogden avenue near Orchard street, High Bridge.
 Clermont, Albert J., 10 Bartholdi street, Williamsbridge.
 Conklin, Fred D., 253 West 85th street.
 Cox, Clifford B., 102 East 114th street.
 Crandell, John S., 47 West 126th street.
 Croyiel, William A., 897 Eighth avenue.
 Cully, William W., 7 West 135th street.
 Dashafsky, Isador, 230 Cherry street.
 DeBaud, Halsey H., 270 West 119th street.
 Denecke, Frederick O., 417 West 147th street.
 Dickinson, John S., 587 Amsterdam avenue.

Dieterlen, Chas. T. E., corner Southern Boulevard and Valentine avenue, Bedford Park.
 Dreyfus, Max D., 45 East 92d street.
 Dunning, Marillo B., 201 West 104th street.
 Fenno, Geo. F., 463 West 22d street.
 Fleischer, Edward, 12 Sutton place.
 Fox, Benjamin, 98 Division street.
 Frank, Arnold, 439 West 28th street.
 Friedman, Philip, 121 Lewis street.
 Gabel, George, 113 West 128th street.
 Garmont, Raymond, 21 Barrow street.
 Goetz, Lorenz G., 901 First avenue.
 Grosselfinger, Francis C. C., 606 East 84th street.
 Grossmann, Geo. J., 22 Rose street.
 Guidice, Louis Anthony, 57 East 86th street.
 Hahnel, August F., 985 Prospect avenue, Bronx Borough.
 Halpin, Matthew B., 1 Cottage place, East 170th street, Bronx Borough.
 Hasbrouck, DuBois.
 Hazlen, Fredk. W., 309 Broadway.
 Heinz, Chas., 1288 Union avenue, Ritter place, Bronx Borough.
 Herz, Stephen, 158 East 52d street.
 Hollander, Harry, 818 Courtland avenue, Bronx Borough.
 Hoerr, John Albert, 2085 Anthony avenue, 180th st., Bronx Borough.
 Horowitz, Nathan, 265-7 Madison street.
 Hurley, Marcus L., Plaza Hotel, 5th avenue and 59th street.
 Joy, Henry E., 504 West 129th street.
 Kaupé, Albert G., 215 East 55th street.
 Kauski, Arthur, 165 East 111th street.
 Kedian, Walter Martin, 307 East 30th street.
 Kegelmann, Orlando, 305 East 90th street.
 Kemp, John S., 343 East 58th street.
 King, Hugh, Jr., 322 West 14th street.

- Kirschberg, Harold, 79 East 124th street.
- Klein, Aaron, 111 Avenue C.
- Kohler, Louis Frank, 849 Columbus avenue.
- Krasensky, Ralph, 321 East 54th street.
- Levy, Jos. A., 234 Monroe street.
- Lischner, Hyman, 272 Delancey street.
- Lohsen, George E., Ogden avenue and 169th street, Highbridge.
- Lyons, Herbert, 1357 Webster avenue.
- Mallon, William L., 151 East 46th street.
- McGarity, John R., between 178th and 179th streets, Kingsbridge Road.
- Meyer, Albert H., 113 West 136th street.
- Meyer, Theo., A., 136 West 65th street.
- Meyerson, Joseph, 151 Orchard street.
- Moore, Emmet K., 330 West 87th street.
- Mülhoffer, Samuel, 83 Willett street.
- Munroe, Marshall Edward, 2185 Seventh avenue.
- Murphy, Edward J., 96 Quincy street, Brooklyn.
- Nadolsky, Wm. L., 350 Bowery.
- Newman, Louis, 272 Rivington street.
- Norman, Gerald F., 34 West 135th street.
- Oberfelder, Eugene A., 106 East 81st street.
- Oberlander, Henry C., 337 East 59th street.
- O'Hara, Michael J., 1487 Amsterdam avenue.
- Pasternak, John, 210 Clinton street.
- Phelan, Edward, 202 West 84th street.
- Pukering, John C., 1996 Madison avenue.
- Platky, Edward L., 788 Lexington avenue.
- Poggenburg, Louis S., 321 East 58th street.
- LaPorte, Pierre W., 1935 Anthony avenue.
- Pritz, Harry A., 501 East 84th street.
- Rae, John S., 953 Home street.
- Reilly, John F., 120 East 66th street.
- Ritt, Oscar, 62 Monroe street.
- Roffe, William Alfred, corner Broadway and Fordham Road, Kingsbridge.
- Rosenstein, Henry, 278 Stanton street.
- Rosenthal, Samuel, 347 East 72d street.
- Schamus, John B., 344 East 40th street.
- Seaton, Clarence, Jos., 54 Westervelt avenue, Borough of Richmond, S. I.
- Seligman, Ralph L., 247 East 68th street.
- Sibenman, Robert Alfred, 150 West 129th street.
- Siegel, Samuel, 67 Henry street.
- Silverman, Henry, 333 Stanton street.
- Sobel, Edward P., 151 Orchard street.
- Solow, Maurice, 57 East 86th street.
- Staub, Abraham, 57 Broome street.
- Stein, Ernest, 141 West 94th street.
- Strehan, George E., 326 East 32d street.
- Sullivan, John B., 316 East 27th street.
- Tanenbaum, Samuel N., 88 Sheriff street.
- Troy, William J., 305 West 148th street.
- Tuska, Harold M., 149 West 118th street.
- Uttal, David, 511 East 82d street.
- Watson, John H., 126 West 111th street.
- Watson, Robert I., 101 East 87th street.
- Watson, Thomas G., 126 West 111th street.
- Weschler, Joseph, 195 Henry street, Brooklyn.
- Wigley, William T., 11 Goerck street.
- Wunderlich, Paul, 126 East 62d street.

SUMMARY.

BOARD OF TRUSTEES,	20
EXECUTIVE COMMITTEE,	9
INSTRUCTORS,	59

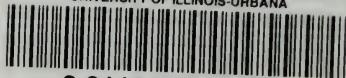
STUDENTS PRESENT.

SENIOR CLASS,	106
JUNIOR CLASS,	175
SOPHOMORE CLASS,	251
FRESHMAN CLASS	485
SUB-FRESHMAN CLASS,	687
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TOTAL,	1,704
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DROPPED FROM ALL CLASSES AND NOT INCLUDED IN THE ABOVE,	261





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